



Instantly creates custom, pre-inked stamps!

SC-100

USER'S GUIDE

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

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Brother P-Touch® STAMPCREATOR™

SC-100

Instantly creates custom, pre-inked stamps!

USER'S GUIDE

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ACCESSORIES

AUTO FORMATS SAMPLES

You can easily make size 40 stamps, using pre-set layout templates and built-in messages. Find your desired one among the following auto formats samples. They are sorted by layout groups and names that appear on the display. For more information about AUTO FORMATS, see "USING AUTO FORMATS" in Chapter 3.

ADDRESS

1 ADDRESS Mr. & Mrs. M. Abraham, 127 Mountain Avenue, Anycity, USA 23456	2 ADDRESS Kathy Williams, Attorney at Law, 850 Maple Street, Anytown, USA 34567
3 ADDRESS Larry Johnson Laker Corporation, 100 Goodycar Avenue, Anytown, USA 01234 ☎: 222-555-6666 FAX: 111-555-7777	4 ADDRESS BROTHER INTERNATIONAL CORP. Vantage Court, 200 Cottontail Lane, Somerset, New Jersey 08875 Tel: 111-555-2222 Fax: 111-555-3333
5 ADDRESS JOHN M. KHALIFE BROTHER INTERNATIONAL CORP. VANTAGE COURT, 200 Cottontail Lane, Somerset, New Jersey 08875 Tel: 333-555-2222 Fax: 333-555-3333	

ADDRESS (FRAME)

<p>6 ADDRESS FRM</p> <table border="1"> <tr> <td colspan="2"> Karen Phillips Interior Designs </td> </tr> <tr> <td colspan="2"> 212 Meadow Lane Sometown, USA 45678 </td> </tr> <tr> <td colspan="2"> ☎: 111-555-8888 FAX: 000-555-2222 </td> </tr> </table>	Karen Phillips Interior Designs		212 Meadow Lane Sometown, USA 45678		☎: 111-555-8888 FAX: 000-555-2222		<p>7 ADDRESS FRM</p> <table border="1"> <tr> <td colspan="3"> KHALIFE SECURITIES INC. </td> </tr> <tr> <td colspan="3"> 200 COTTONTAIL LANE SOMERSET, NJ 08875-6714 ☎: 666-555-4444 FAX: 666-555-8888 </td> </tr> </table>	KHALIFE SECURITIES INC.			200 COTTONTAIL LANE SOMERSET, NJ 08875-6714 ☎: 666-555-4444 FAX: 666-555-8888			
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<p>10 ADDRESS FRM</p> <table border="1"> <tr> <td colspan="2"> HOMESTEAD REAL ESTATE ROBERT J. ADAMS </td> </tr> <tr> <td> 34 Valley View Drive, Suite 1005, Maintown, USA 56789 </td> <td> TEL: (777) 555-3333 FAX: (777) 555-4444 </td> </tr> </table>	HOMESTEAD REAL ESTATE ROBERT J. ADAMS		34 Valley View Drive, Suite 1005, Maintown, USA 56789	TEL: (777) 555-3333 FAX: (777) 555-4444	<p>11 ADDRESS FRM</p> <table border="1"> <tr> <td colspan="3"> WORLDWIDE TRAVEL 631 Park Avenue, Newtown, USA 01234 Tel: (111) 555-6666 Fax: (222) 555-6666 </td> </tr> <tr> <td> AIR TRAIN </td> <td> HOTEL LIMOUSINE </td> <td> CRUISES TOURS </td> </tr> <tr> <td colspan="3"> COMPLETE PACKAGES </td> </tr> </table>	WORLDWIDE TRAVEL 631 Park Avenue, Newtown, USA 01234 Tel: (111) 555-6666 Fax: (222) 555-6666			AIR TRAIN	HOTEL LIMOUSINE	CRUISES TOURS	COMPLETE PACKAGES		
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AIR TRAIN	HOTEL LIMOUSINE	CRUISES TOURS												
COMPLETE PACKAGES														

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BUSINESS

<p>12 BUSINESS</p> <p>DAVID T. SMITH Notary Public, State of New York No.22-3301157 Qualified in Nassau County Commission Expires May 30, 19</p>	<p>13 BUSINESS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;">RECEIVED</td> </tr> <tr> <td style="text-align: center; padding: 5px;">AUGUST , 1994</td> </tr> <tr> <td style="text-align: center; padding: 5px;">JOHN STEVENS FORD MOTOR CO.</td> </tr> </table>	RECEIVED	AUGUST , 1994	JOHN STEVENS FORD MOTOR CO.									
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<p>14 BUSINESS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;">FOR DEPOSIT ONLY</td> </tr> <tr> <td style="text-align: center; padding: 5px;">RENTAL SERVICES INC. 3508 River Road, Somecity, USA 67890</td> </tr> <tr> <td style="text-align: center; padding: 5px;">GENERAL ACCOUNT 349550-47478</td> </tr> </table>	FOR DEPOSIT ONLY	RENTAL SERVICES INC. 3508 River Road, Somecity, USA 67890	GENERAL ACCOUNT 349550-47478	<p>15 BUSINESS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center; padding: 5px;">VIVIAN'S BEAUTY SUPPLY</td> </tr> <tr> <td style="text-align: center; padding: 5px;">HAIR PRODUCTS</td> <td style="text-align: center; padding: 5px;">NAIL ACCESSORIES</td> <td style="text-align: center; padding: 5px;">SKIN COSMETICS</td> </tr> <tr> <td colspan="3" style="text-align: center; padding: 5px;">LARGE SELECTION NAME BRANDS CARRIED 555-1010</td> </tr> </table>	VIVIAN'S BEAUTY SUPPLY			HAIR PRODUCTS	NAIL ACCESSORIES	SKIN COSMETICS	LARGE SELECTION NAME BRANDS CARRIED 555-1010		
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CHECK BOX

<p>17 CHECK BOX</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;">SHIPPING INSTRUCTIONS</td> </tr> <tr> <td style="width: 30px; text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">C.O.D.</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">PARCEL POST</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">SECOND DAY</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">UPS GROUND</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">UPS NEXT DAY</td> </tr> </table>	SHIPPING INSTRUCTIONS		<input type="checkbox"/>	C.O.D.	<input type="checkbox"/>	PARCEL POST	<input type="checkbox"/>	SECOND DAY	<input type="checkbox"/>	UPS GROUND	<input type="checkbox"/>	UPS NEXT DAY	<p>18 CHECK BOX</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;">CIRCULATION</td> </tr> <tr> <td style="width: 30px; text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">STEVE SUGITA</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">JEAN KHALIFE</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">MITCH KOUKETSU</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">BILL HENDERSON</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">YUICHI TADA</td> </tr> </table>	CIRCULATION		<input type="checkbox"/>	STEVE SUGITA	<input type="checkbox"/>	JEAN KHALIFE	<input type="checkbox"/>	MITCH KOUKETSU	<input type="checkbox"/>	BILL HENDERSON	<input type="checkbox"/>	YUICHI TADA
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VERTICAL

19 VERTICAL	20 VERTICAL
U R G E N T	U R G E N T

VERTICAL (FRAME)

21 VERTICAL FM	22 VERTICAL FM
C O N F I D E N T I A L	C O N F I D E N T I A L

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23 VERTICAL FM

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24 VERTICAL FM

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25 VERTICAL FM

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26 VERTICAL FM

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27 VERTICAL FM

H A P P Y
N E W
Y E A R

28 VERTICAL FM

H A P P Y
N E W
Y E A R

29 VERTICAL FM

P R O G R A M
&
E X H I B I T S
G U I D E

30 VERTICAL FM

P R O G R A M
&
E X H I B I T S
G U I D E

USER'S GUIDE

BUILT-IN MESSAGES

#1 AIR MAIL	#2 COMPLETED
#3 CONFIDENTIAL	#4 C O P Y
#5 D R A F T	#6 D U P L I C A T E
#7 F A X E D	#8 FIRST CLASS MAIL

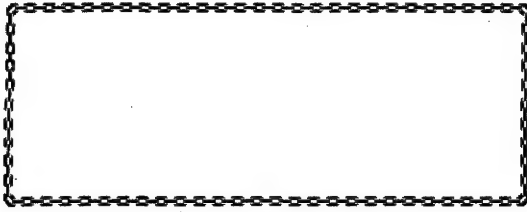

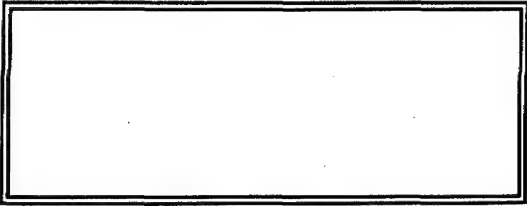
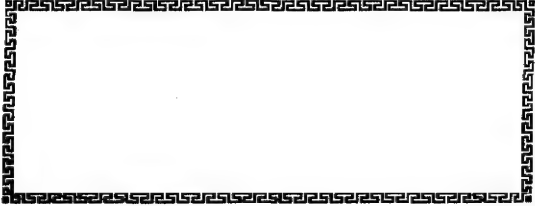
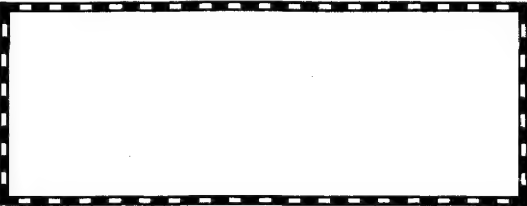
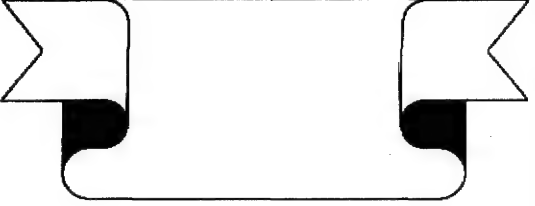
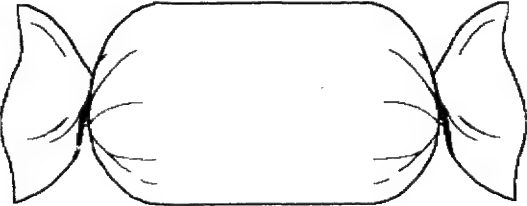

<p>#9</p> <p>FRAGILE</p>	<p>#10</p> <p>F Y I</p>
<p>#11</p> <p>IMPORTANT</p>	<p>#12</p> <p>ORIGINAL</p>
<p>#13</p> <p>P A I D</p>	<p>#14</p> <p>P R I O R I T Y</p>
<p>#15</p> <p>R E C E I V E D</p>	<p>#16</p> <p>REVISED</p>
<p>#17</p> <p>URGENT</p>	<p>#18</p> <div data-bbox="846 1640 1373 1839"> <p>ACCOUNT PAST DUE PLEASE SUBMIT PAYMENT</p> </div>

USER'S GUIDE

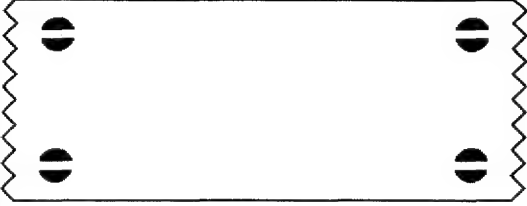
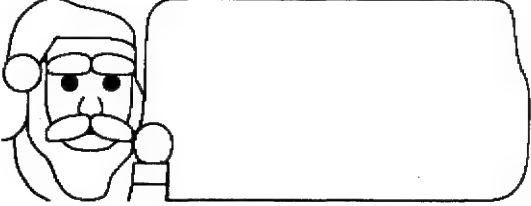
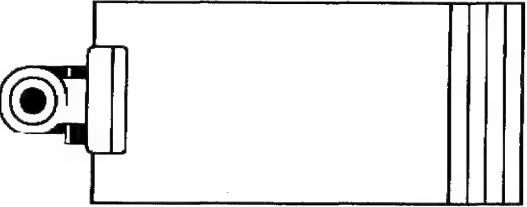
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<p>#21</p> <div>FOR DEPOSIT ONLY</div> <div>ACCOUNT #:</div>	<p>#22</p> <div>FOR INTERNAL USE ONLY</div> <div>PRODUCT DEVELOPMENT</div>
<p>#23</p> <div>F R A G I L E</div> <div>DO NOT DROP</div>	<p>#24</p> <div>I M P O R T A N T !</div> <div>F I N A L N O T I C E</div>
<p>#25</p> <div>PLEASE READ</div> <div>AND INITIAL</div>	

ORNAMENT FRAME SAMPLES

You can easily draw a ornament border only around a size 40 stamp frame. Find your desired one among the following ornament frame samples. For more information about ornament frames, see "Using the LINE DRAWING Key" in Chapter 4.

<p>CHAIN</p> 	<p>WAVE</p> 
<p>DOUBLE</p> 	<p>GREECE</p> 
<p>RAIL</p> 	<p>RIBBON</p> 
<p>CANDY</p> 	<p>FLOWER</p> 

USER'S GUIDE

<p>PLATE</p> 	<p>SANTA</p> 
<p>MEMO</p> 	

CHAPTER 1 INTRODUCTION

ABOUT THIS MANUAL

This manual acts as your guide to the setup and operation of your SC-100 and covers the following topics:

AUTO FORMATS SAMPLES are all stamp formats available with the AUTO FORMATS feature.

CHAPTER 1 INTRODUCTION provides an overview of the SC-100. Read this chapter first to get familiar with it.

CHAPTER 2 GETTING STARTED gives you general information about the setup and preparation of the SC-100. Be sure to read this chapter before you use it.

CHAPTER 3 QUICK START gives you basic information to use the SC-100 for the first time. Be sure to read this chapter to master basic operations and the use of auto formats.

CHAPTER 4 FORMATTING YOUR STAMP details the formatting functions. Read this chapter when necessary.

CHAPTER 5 LEARNING THE USEFUL FEATURES describes the features that help you to use the SC-100. Read this chapter when necessary.

CHAPTER 6 TROUBLESHOOTING helps you troubleshoot problems. If you have problems, reach this chapter.

APPENDIX contains technical information on the SC-100.

INDEX provides an alphabetical list of the contents of this manual.

❖ **Note**

This user's guide contains general instructions or steps to teach you various operations with the default settings. If you change the settings, the display messages change accordingly.

ABOUT THE SC-100

Features

This SC-100 is an electronic stamp creator that has the following main features. When you need more information on how to use a particular feature, turn to the chapter indicated at the end of each paragraph.

Trial Printer Cassette and Trial Print Sheet

Use the trial printer cassette and trial print sheets before making stamps. You can check the layout in advance. See Chapter 2.

Stamps and Stamp ID Labels

Three sizes of stamps are available to fit your needs: see the next section for options. Print stamp ID labels first and put them on the stamps as identification seals. See Chapter 2.

Operation with the Keyboard and Display

You can type text with the standard keyboard and check it on the display as you type. All operations appear on the display. See Chapter 3.

Auto Formats and Preview

The SC-100 is easy to use. You can make stamps, choosing among many built-in messages as well as using the stationary templates to customize your own stamps. The image feature helps you to preview the layout without printing. See Chapter 3.

Formatting

This SC-100 has various formatting features. You can type using Helsinki, Brussels, and Istanbul fonts, changing their size, style, and alignment. You can also change the frame size and orientation of your stamp, draw lines, and arrange text in several blocks. See Chapter 4.

Memory

When you want to use the same message for different stamps, you can store text in memory and recall it for later use. See Chapter 5.

Options and Supplies

The following options and supplies are available for this SC-100:
For ordering them, see ACCESSORIES.

Optional AC Adapter AD-30

The SC-100 operates with the optional AC adapter (AD-30) as well as with six size "C" batteries.

Trial Print Sheet PS-TP

A package contains 30 trial print sheets. Use them to try printing and check the layout before actually making stamps. Use the standard trial printer cassette to hold these sheets.

Stamps and Stamp ID Labels

You can make custom stamps and use each about 1,000 times. The following types of stamps are available:

Reorder no.	Nominal size	Effective stamp area H x W	Ink Color
PS-S10B	10	1 1/4 x 3/8 in. (30 x 9 mm)	Black
PS-S10R	10	1 1/4 x 3/8 in. (30 x 9 mm)	Red
PS-S30B	30	2 3/4 x 3/8 in. (70 x 9 mm)	Black
PS-S30R	30	2 3/4 x 3/8 in. (70 x 9 mm)	Red
PS-S40B	40	2 3/4 x 1 1/8 in. (70 x 27 mm)	Black
PS-S40R	40	2 3/4 x 1 1/8 in. (70 x 27 mm)	Red

◆ Notes

- The display indicates the nominal size shown above.
- You need size 40 stamps to use the pre-set layouts with the AUTO FORMATS key. You cannot make other sizes of stamps with the pre-set layouts.

One stamp ID label sheet comes with a size 10 or 30 stamp and two stamp ID label sheets with a size 40 stamp. Use them to identify stamps. Two ID labels are on the size 10 or 30 label sheet and one ID label is on the size 40 label sheet.

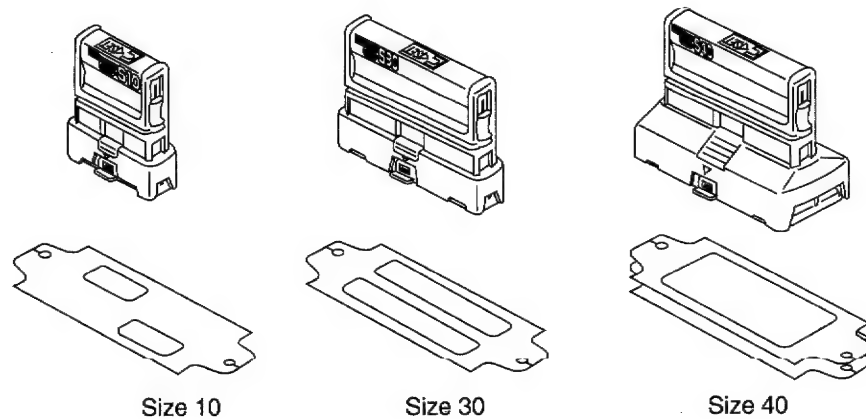


Fig. 1-1 Size 10, 30, & 40 Stamps and Stamp ID Labels

The maximum number of lines or steps is subject to formats such as frame size and font size. For more information about lines, see “Typing and Correcting Characters” in Chapter 3. For more information about steps, see “LAYING OUT TEXT IN BLOCKS” in Chapter 4.

GENERAL VIEWS

SC-100

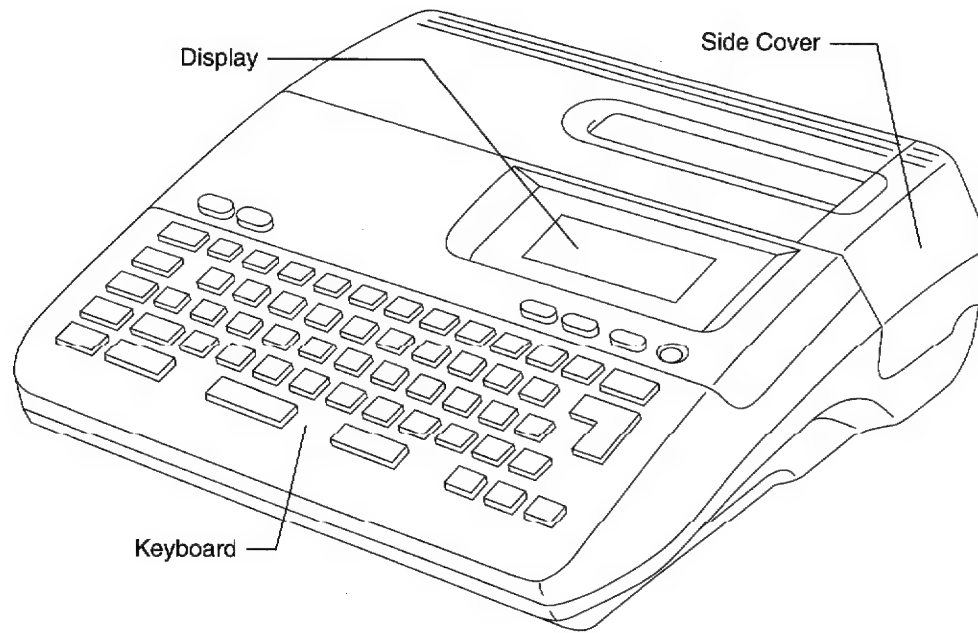


Fig. 1-2 Front View

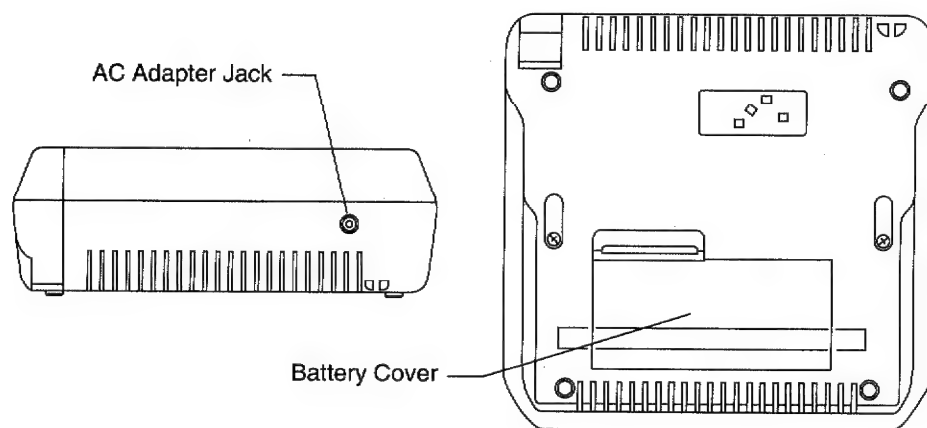


Fig. 1-3 Rear and Back Views

Keyboard

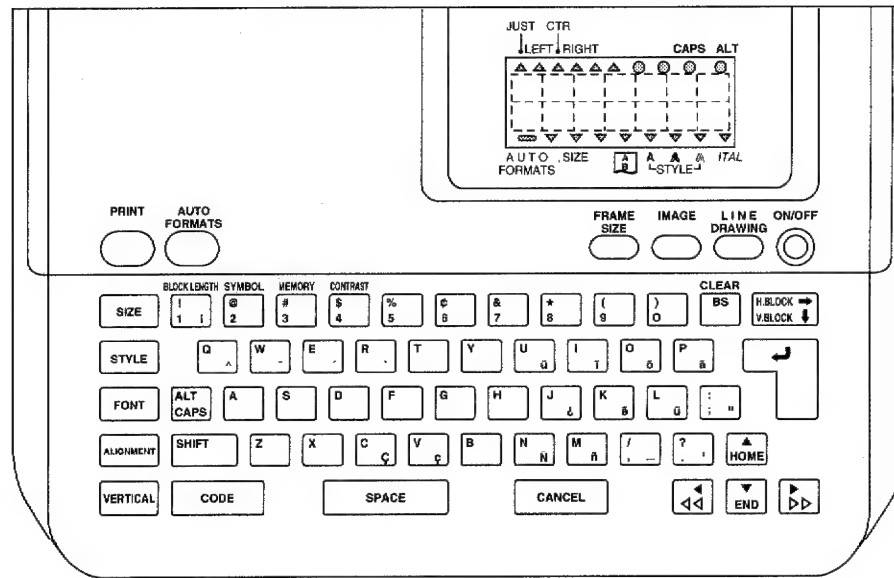


Fig. 1-4 Keyboard

Display

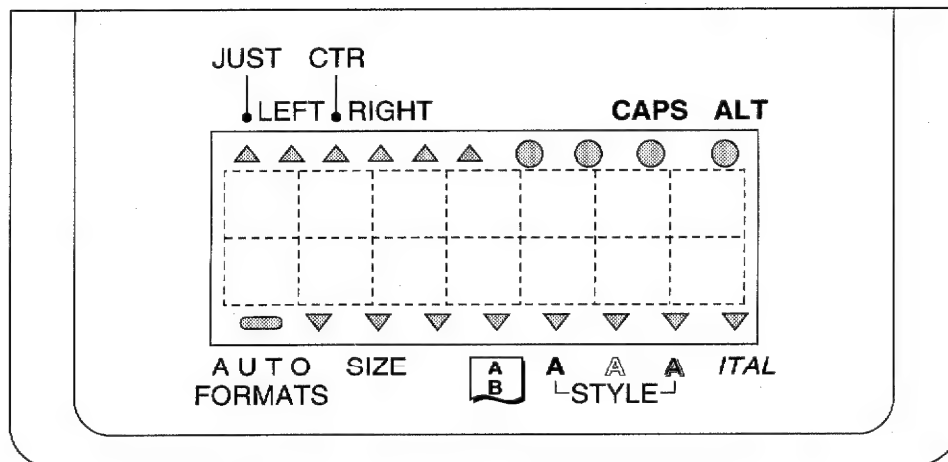


Fig. 1-5 Display

Trial Printer Cassette and Trial Print Sheet

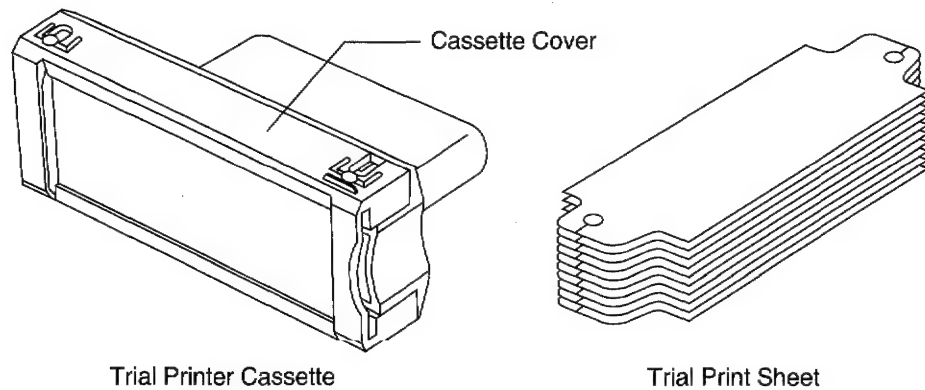


Fig. 1-6 Trial Printer Cassette and Trial Print Sheet

Stamp and Stamp ID Label

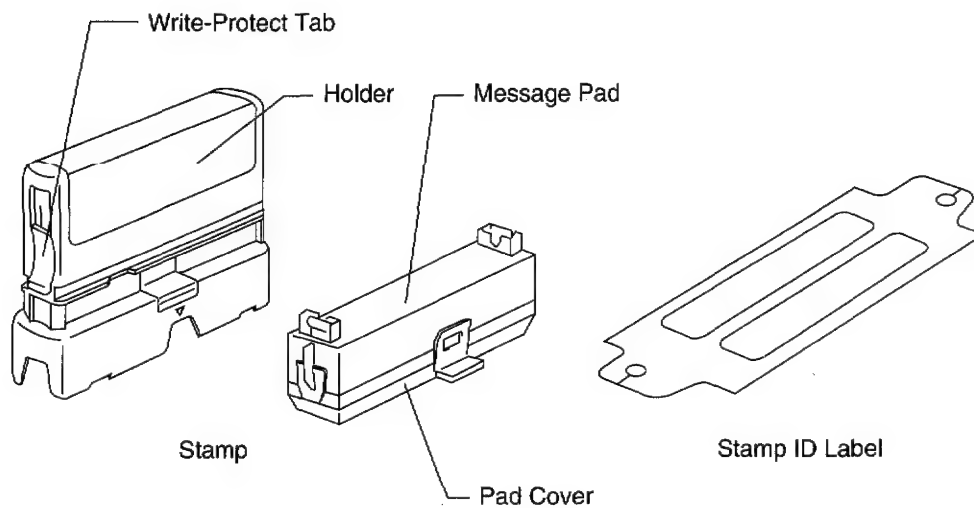


Fig. 1-7 Stamp and Stamp ID Labels

CHAPTER 2 GETTING STARTED

CHECKING THE CARTON CONTENTS

When you unpack the SC-100, check to see that you have all of the following parts:

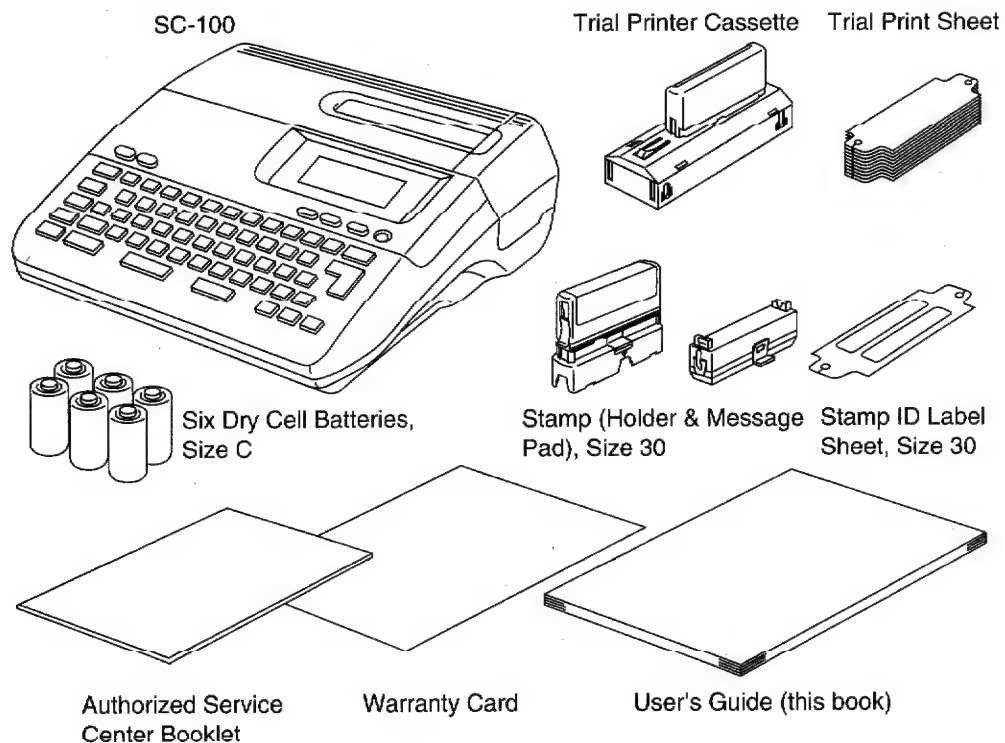


Fig. 2-1 Contents in the Carton

❖ Notes

- The supplied stamp is size 30 and the default frame size is 40. When you use this stamp, change the frame size to 30 or NEW with the FRAME SIZE key. See Chapter 4.
- You need size 40 stamps to use the pre-set layouts with the AUTO FORMATS key. You cannot make other sizes of stamps with the pre-set layouts.
- It is recommended that you keep all packing materials for transporting or storing the SC-100 later on.

TAKING PRECAUTIONS

Please take the following precautions before using the SC-100.

General Use

- Do not disassemble the SC-100, trial printer cassette, and stamps.
- Do not push or rap the display of the SC-100.
- Do not put any foreign objects onto or into the SC-100.
- Clean the exterior of the SC-100, trial printer cassette, and stamp holder with a soft, dry cloth. Do not use alcohol or other organic solvents to clean them.

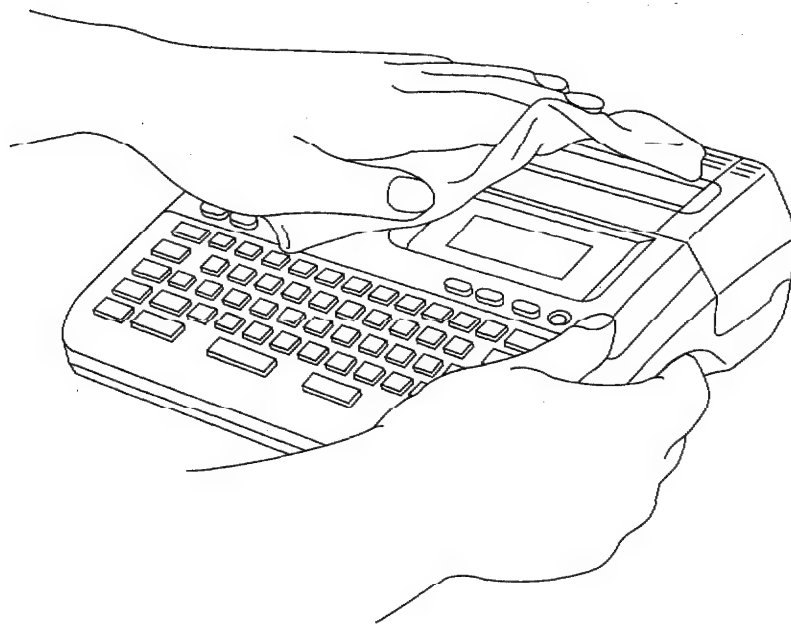


Fig. 2-2 Cleaning the Exterior

Environment

- Use the SC-100 on a flat, horizontal surface.
- Do not use the SC-100 in a dusty place. Keep it clean.
- Do not expose the SC-100, cassette, and stamps to high temperature and high humidity. Do not expose them to cool or hot air from an air conditioner.
- Do not place stamps where temperature intensely changes, or ink may run out of the carved pad. If so, stamp several times to decrease a surplus.
- Do not place the SC-100, cassette, and stamps where they are exposed to direct sunlight. Never leave them on the dashboard or in the back of your car. Use a blind or a heavy curtain to protect them from direct sunlight if it is unavoidably set up near a window.
- Do not subject the SC-100, cassette, and stamps to rain and strong physical shocks or vibrations. Do not throw or drop them.
- Do not expose the SC-100, cassette, and stamps to open flames or salty or corrosive gasses.
- Do not leave any rubber or vinyl on the SC-100, cassette, and stamps for an extended period of time. It may cause staining.
- Do not install the SC-100 near devices that contain magnets or generate magnetic fields.

Power Supply

- Use size C, dry cell batteries (alkaline battery is recommended.) or the optional AC adapter designed for the SC-100.
- Do not touch the battery terminals and AC adapter jack.
- Do not install batteries with wrong positive and negative polarities.
- Remove batteries and/or disconnect the AC adapter if you do not use the SC-100 for an extended period of time.

◆ Note

When power is not supplied for five minutes or more, memory will be cleared.

Trial Print Sheets and Stamp ID Labels

Trial print sheets and stamp ID labels are heat-sensitive papers. Please take the following precautions for trial print sheets and stamp ID labels:

- Keep them in a cool, dry, and dark place.
- Do not place them where they are exposed to direct light or sunlight. Never leave them on the dashboard or in the back of your car.
- Do not expose them to high temperature and high humidity. Do not expose them to cool or hot air from an air conditioner.
- Do not use thermal paper other than trial print sheets and stamp ID labels designed for the SC-100.
- Use them as soon as possible after unpacking.
- Do not touch them with wet fingers.
- Do not rub them.
- Do not apply chemicals or oil to them.
- Do not touch them by hand with hand-cream.

Stamps

- After stamps are unpacked, carve them as soon as possible.
- Do not touch, lick, or damage the message pads.
- Do not force the stamp pad against a surface.
- Do not drag the carved pad surface.
- Do not stamp consecutively over the same position.
- When not using the stamps, close the pad cover and keep them upright or with the closed pad face down. Packed, unpacked, or detached message pads must also be kept horizontal with the pad cover face down.
- Do not stain your clothes with stamp ink. Ink cannot be washed out.
- If ink runs out of the pad, stamp several times to decrease a surplus.
- Be sure to close the pad cover when not using stamps.

Printing and Carving

- If the side cover is kept open for a long time, dirt and dust gather on the thermal head. Always keep the side cover closed.
- Do not touch the thermal head inside when opening the side cover.
- The dirty thermal head might deteriorate printing and carving. If so, print with the trial printer cassette and trial print sheet, which can clean the thermal head. If dirt cannot be removed by print cleaning, turn off the SC-100 and wipe the head with a soft, clean cloth or swab.

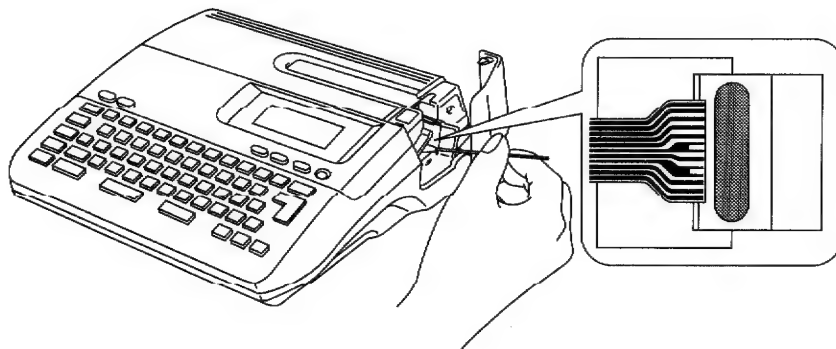


Fig. 2-3 Cleaning the Thermal Head

- Be sure to install the special trial print sheet or stamp ID label when printing with the trial printer cassette. Do not use plain paper.
- Do not use thermal paper other than trial print sheets and stamp ID labels designed for the SC-100.
- Make sure the trial printer cassette or stamp is correctly installed before printing or carving.
- Do not move or shake the SC-100, cassette, and stamp during printing or carving.
- Do not remove the trial printer cassette and stamp during printing or carving.
- Make sure the side cover is fully open before removing the trial printer cassette or stamp.
- Do not carve the same stamp again.

TURNING POWER ON AND OFF

Installing Batteries

The SC-100 needs six size-C dry-cell batteries. You may use manganese or alkaline batteries (alkaline battery is recommended.). Install batteries as follows:

1. Turn the SC-100 upside down.
2. Open the battery cover.
3. Install batteries as shown below.

The direction to install batteries is indicated inside the battery case.

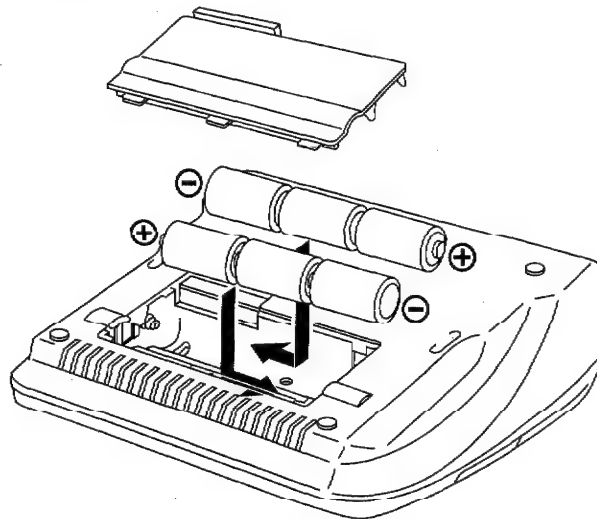


Fig. 2-4 Installing Batteries

4. Close the battery cover.

◆ Notes

When batteries become weak or they need to be replaced, the error message appears on the display. Turn the power off soon or after printing or carving. When you replace batteries, be sure to:

- Replace all six batteries at a time.
- Install new batteries within five minutes after removing old ones unless power is supplied via the optional AC adapter, or memory will be cleared. The AC adapter can maintain the memory contents.

Using the Optional AC Adapter

The SC-100 operates with the optional AC adapter AD-30 as well as with dry cell batteries.

Attach the AC adapter as follows:

1. Insert the adapter's small connector into the AC adapter jack on the back side of the SC-100.
2. Plug the adapter into the nearest outlet.

◆ Notes

- Use the optional AC adapter designed for the SC-100.
- If the AC adapter is unplugged from the outlet for five minutes or more, memory will be cleared.
- When you use the optional AC adapter with dry cell batteries installed, make sure of connection. If the connector is inserted in the jack but the adapter is not plugged in the outlet, memory cannot be maintained by the installed dry cell batteries.

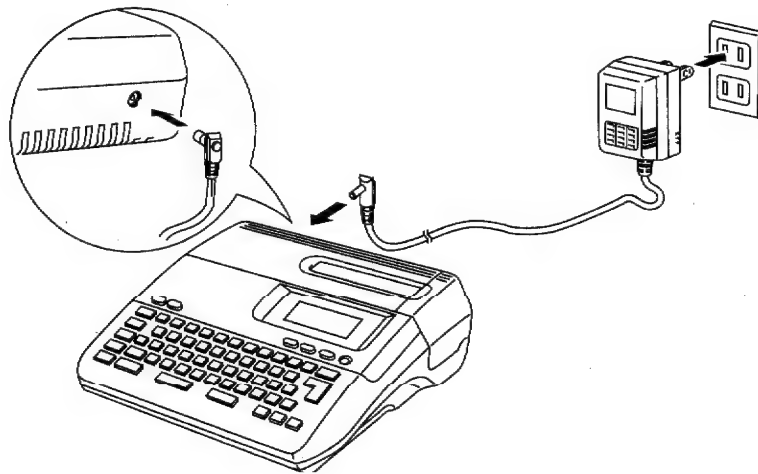


Fig. 2-5 Installing the Optional AC Adapter

Pressing the ON/OFF Key

The ON/OFF key is on the front right side of the SC-100. Pressing the key once supplies power to the SC-100, which performs a self test at startup. When no error is detected, the SC-100 wakes up with the last settings in the last mode where it was at power off. When an error is detected, the error message appears on the display or the SC-100 restores all your settings to default ones.

The auto power off feature saves energy. If you leave the SC-100 for about five minutes without touching any key, power is automatically shut off. Turning the power on again resumes the operation in the last status unless an error is detected.

Pressing the ON/OFF key again turns the power off. Turn off the SC-100 until you advance to Chapter 3.

◆ Notes

- Even if you press the ON/OFF key during printing or carving, power cannot be turned off.
- Be sure to turn power on with no stamp and trial printer cassette installed. If either is already installed at power on, the error message prompts on the display. Be sure to remove the stamp or cassette before turning power on.

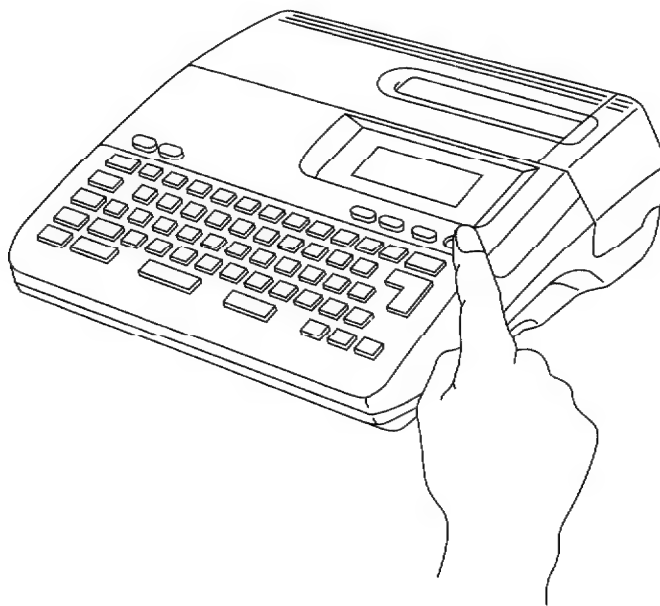


Fig. 2-6 Pressing the ON/OFF Key

GETTING READY FOR PRINTING AND CARVING

Using the Trial Printer Cassette

Use the trial printer cassette to print with the trial print sheets or stamp ID labels. The trial print sheet allows you to check text and layout in advance before making stamps. You can put the printed stamp ID label on the stamp as an identification seal.

Because trial print sheets are free size, you can use them for all stamp sizes. Stamp ID labels are, however, different sizes: 10, 30, and 40 stamps. Because size 10 and 30 labels have two print areas, you can use each label twice, reversing the installing direction. Because size 40 comes with two stamp ID labels, use each label only once.

◆ **Note**

Be sure to install the trial printer cassette after turning the power on, or the error message prompts you to remove it.

Attach a trial print sheet or a stamp ID label to the cassette and install it to the SC-100 as follows:

1. Open the cassette cover.

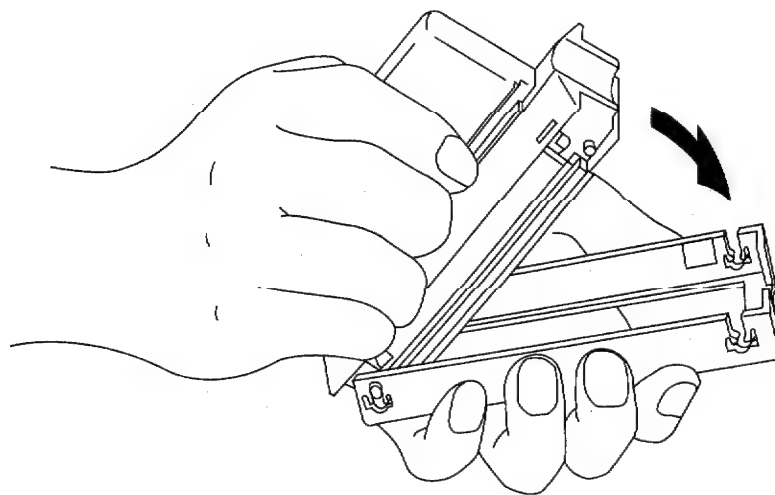


Fig. 2-7 Opening the Cassette Cover

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2. Attach a trial print sheet or a stamp ID label, aligning its hole with the bar on the inside of the cover.

◆ Notes

- Trial print sheets and stamp ID labels have only one print surface. Be sure to align its hole with the bar.
- You can attach up to 30 trial print sheets or up to 10 stamp ID labels to the cassette at a time.
- When you attach a size 10 or 30 label, you may use either print area for the first time. Reverse the attaching direction for the second time.

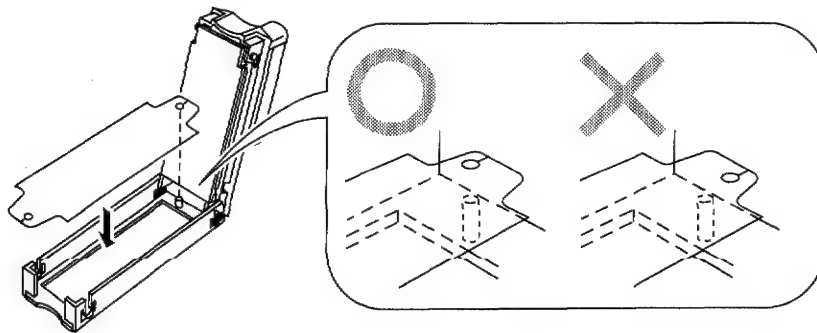


Fig. 2-8 Attaching the Trial Print Sheet or Stamp ID Label

3. Close the cassette cover.

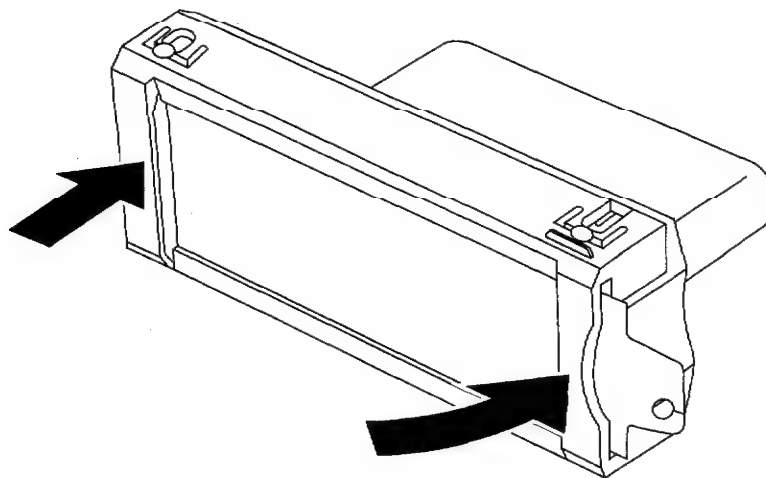


Fig. 2-9 Closing the Cassette Cover

4. Open the side cover of the SC-100.



Fig. 2-10 Opening the Side Cover

5. Insert the trial printer cassette all the way into the slot.

⇒ Note

The cassette can be installed only in one way. The slit of the cassette holder must face toward the SC-100.

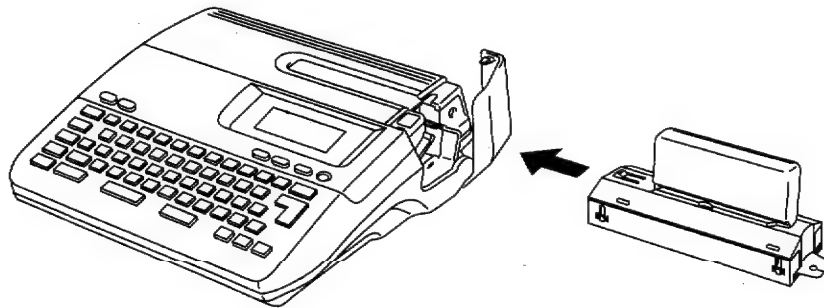


Fig. 2-11 Inserting the Cassette

6. Close the side cover completely.

❖ **Note**

Be sure to close the side cover completely before printing. If it is open, the display shows printing progress, however, nothing will be printed. The message "KEEP COVER CLOSED" remains on the display until printing is finished.

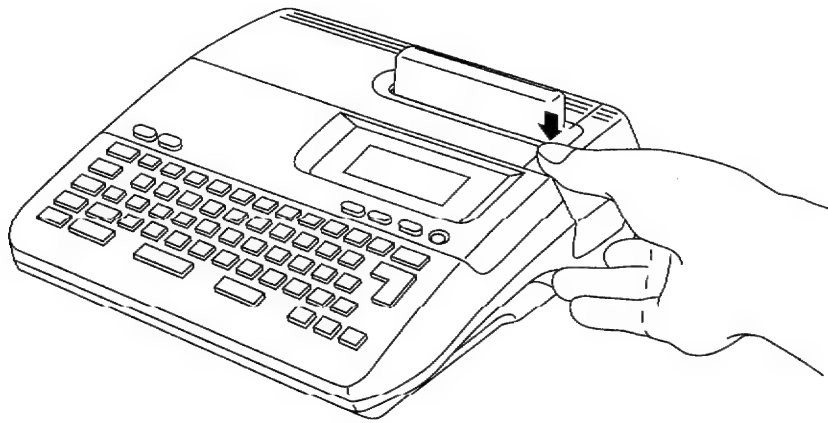


Fig. 2-12 Closing the Side Cover

After printing, reverse the above steps to remove the trial printer cassette.

❖ **Note**

You can remove trial print sheets or stamp ID labels without opening the cassette cover. Pull the printed sheet or label out of the cassette one by one.

Now you have learned about installing and removing the trial printer cassette. Before actually printing, read the next section to know about stamps and advance to Chapter 3 to learn the basic operations.

Using the Stamps

After you check the text and layout with the trial print sheets or print stamp ID labels, you can make a stamp.

❖ Notes

- Be sure to install a stamp after turning power on, or the error message prompts you to remove it.
- After you unpack stamps, carve them as soon as possible.

When you install a stamp to the SC-100, follow these steps:

1. Place the covered message pad into the holder with the pad face outward. Push the pad cover until it snaps into the holder.

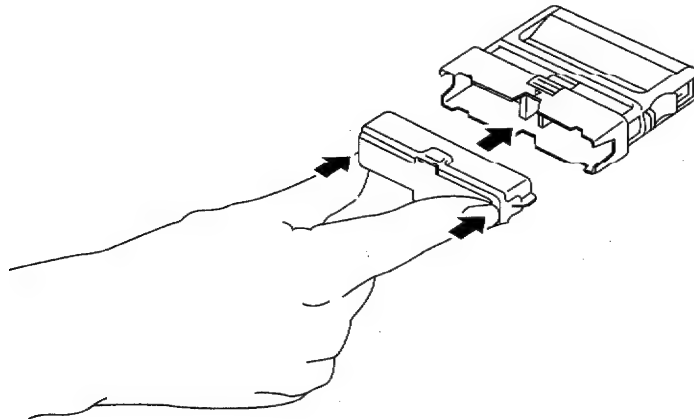


Fig. 2-13 Attaching the Message Pad to the Holder

2. Open the pad cover.

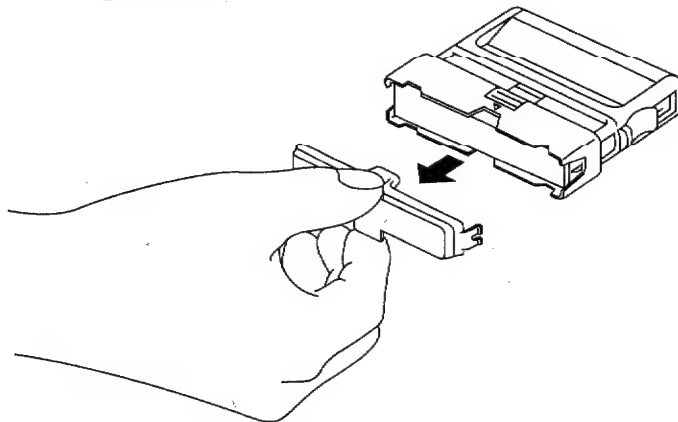


Fig. 2-14 Opening the Pad Cover

3. Open the write-protect tab of the stamp.

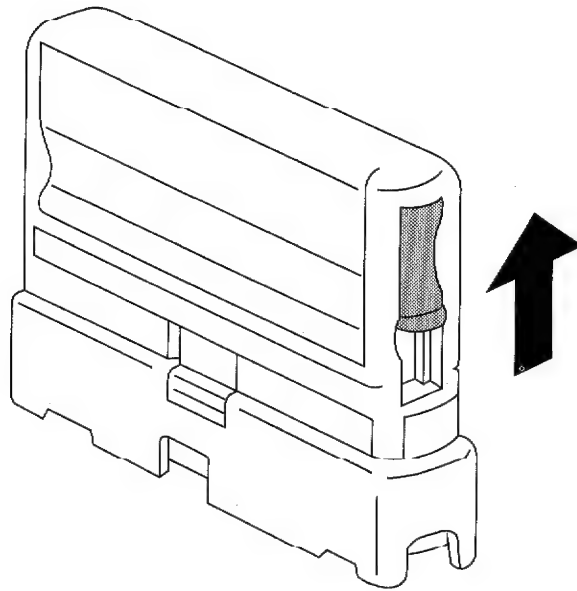


Fig. 2-15 Opening the Write-Protect Tab

4. Open the side cover of the SC-100.



Fig. 2-16 Opening the Side Cover

5. Insert the stamp all the way into the slot.

❖ **Note**

The stamp can be installed only in one way. The opening of the write-protect tab must face toward the SC-100.

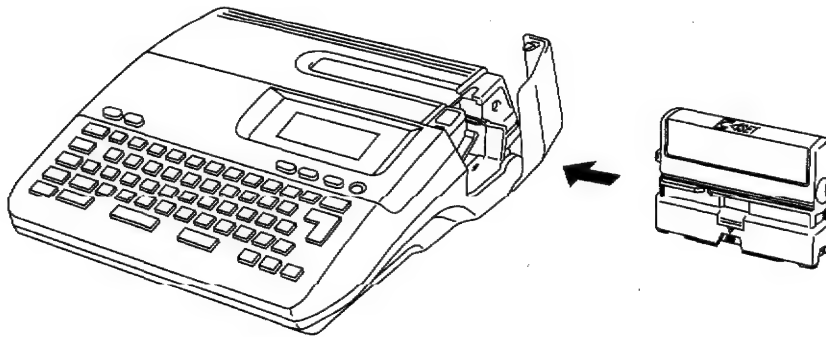


Fig. 2-17 Inserting the Stamp

6. Close the side cover completely.

❖ **Note**

Be sure to close the side cover completely before carving. If it is open, the display shows carving progress, however, nothing will be carved. The message "KEEP COVER CLOSED" remains on the display until carving is finished.

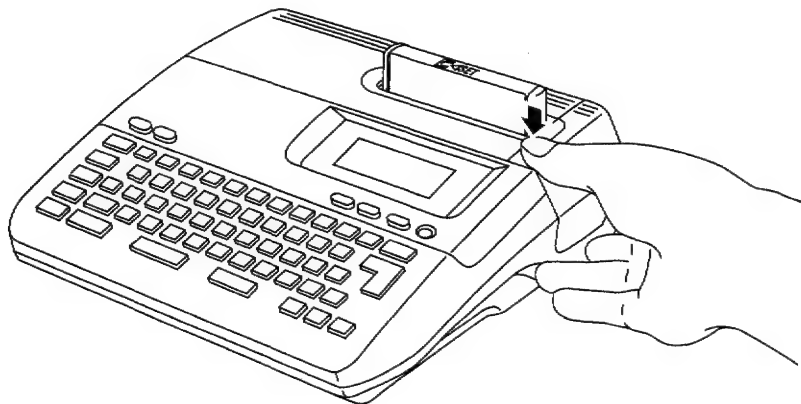


Fig. 2-18 Closing the Side Cover

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After making the stamp, reverse the above steps to remove it. Be sure to remember the following points:

- Close the write-protect tab to prevent the stamp from being re-carved.
- Peel off the printed label and put it on the stamp holder as an identification seal. You may also put one on the message pad as shown below.
- Because coated paper or art paper does not absorb ink, stamp ink is not dried or fixed clearly on the surface. Use plain paper or copier paper for stamps.

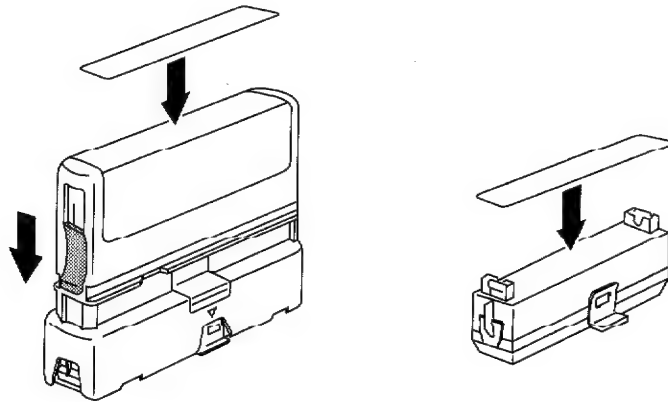


Fig. 2-19 Closing the Tab and Putting the Stamp ID Label

- The message pad can be detached from the holder. Make sure that the pad cover is closed. Grip the holder and put your thumb and index finger on both sides of the skirt as shown below. Pull your fingers slowly so that the message pad snaps off the holder.

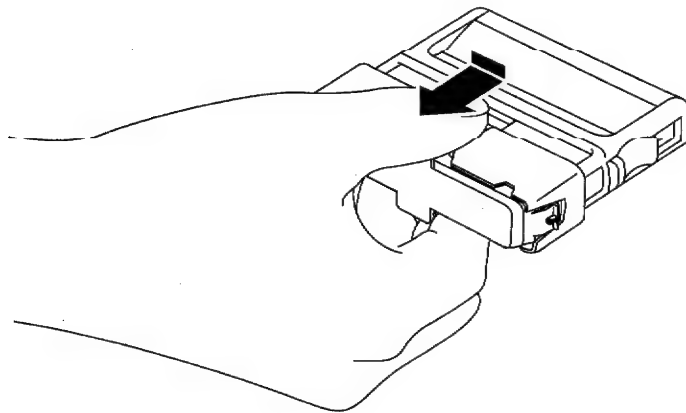


Fig. 2-20 Detaching the Message Pad from the Holder

- When not using stamps, close the pad cover and keep them upright or with the closed pad face down. Packed, unpacked, or detached message pads must be also kept horizontal with the pad cover face down.

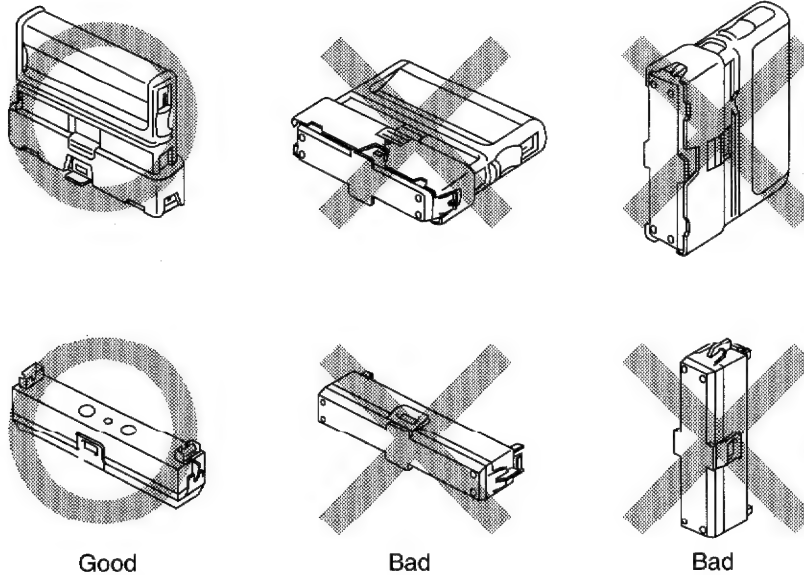


Fig. 2-21 Keeping the Stamp Upright

Now you have learned about stamps. Before actually making stamps, advance to Chapter 3 to learn the basic operations.

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CHAPTER 3 QUICK START

LEARNING THE BASICS

Using the Keyboard and Display

You can use the SC-100 easily with the keyboard and display. Turn the power on and master the basic typing and operating keys and the display indications.

Keyboard

The keyboard has alphanumeric keys, function keys, and format keys. Just press the white labeled keys. To use the blue labeled keys, hold down the CODE key and press that key: the combination of the CODE key and the CAPS key, for example, is indicated as the CODE + CAPS key in this user's guide. To use the orange labeled keys, hold down the ALT key and press that key.

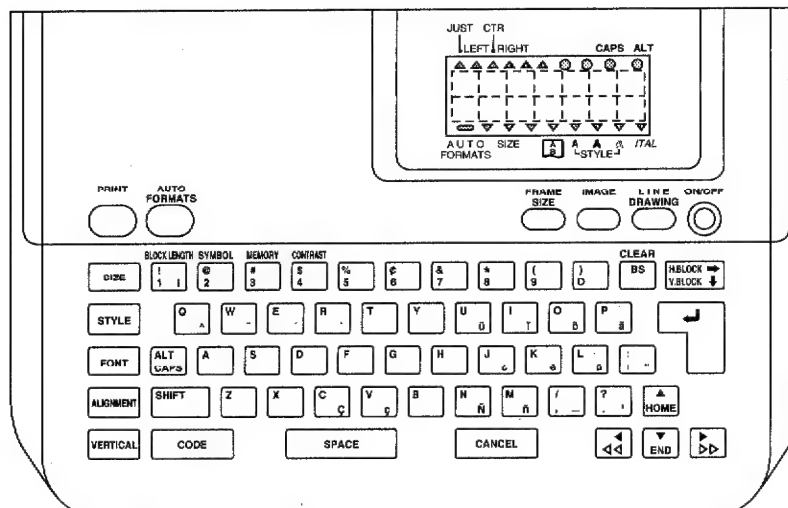


Fig. 3-1 Keyboard

Display

The display shows the frame size indication, which is a nominal stamp size, in the upper row of the first screen. The first and second numbers in the lower row always indicate the current block number and the current line number respectively. They tell your location in the stamp frame. For more information about blocks, see "LAYING OUT TEXT IN BLOCKS" in Chapter 4.

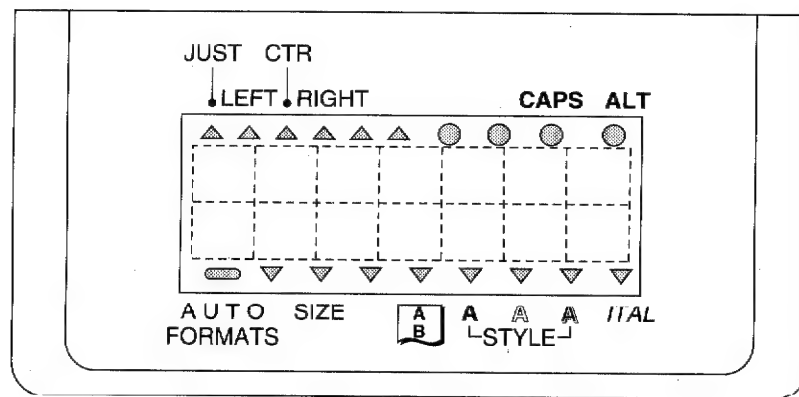


Fig. 3-2 Display

As you type text and change formats, you can see characters and format indications on the display. Bullets and triangles around the display indicate the current key status such as CAPS, ALT, and AUTO FORMATS and the current formats such as justification, orientation, font size, and font styles. If you have a problem, the display shows the corresponding error message. See Chapter 6 for error messages.

For more information about various functions and formats, see the following pages.

Note

Although the display indications in this user's guide resemble screen images, they are different from the exact ones. They are only for your reference.

Typing and Correcting Characters

Enter alphabets and numbers simply by pressing their alphanumeric keys. Press the SPACE to enter a space between words.

The text cursor, which resembles a blinking underline, indicates the current text position on the display. As you type, the cursor moves forward. Pressing the BS (BackSpace) key deletes the character on the left side of the text cursor. For deleting text in a more efficient way, see “CLEARING TEXT” in Chapter 5.

Hold down the SHIFT key and press any key to enter uppercase letters and some special characters labeled on the upper part of the keys.

Hold down	To print						
none	Lowercase letters	Numbers 1–0	;				
SHIFT	Uppercase letters	!	@	#	\$	%	
	¢	&	*	()	:	/ ?

Although the SHIFT key is used for entering single capital letters, the CAPS key is more useful for entering a series of capital letters. Hold down the CODE key and press the CAPS key to enter the CAPS mode: a bullet appears under the CAPS indication on the display.

In the CAPS mode, however, pressing any key does not produce a special character labeled on the upper part of the key. You need to hold down the SHIFT key and press keys to type special characters.

◆ Note

Holding down the SHIFT key in the CAPS mode produces lowercase letters.

To exit the CAPS mode, hold down the CODE key and press the CAPS key again. A bullet disappears from the display.

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When you want to enter lines of text, use the ↵ (Return) key. Pressing the ↵ key ends one line of text and begins another. A return mark (↵) appears at the end of the text line.

•• Note

Do not press the ↵ key unnecessarily. Empty lines that have no characters are also reserved for printing or carving.

The SC-100 has a limited space of memory for storing text and layouts. You can enter up to nine lines a block and up to six horizontal and vertical blocks in total. The maximum number of text lines is subject to formats such as the selected font size and frame size. When you reach memory limit, the display shows a corresponding error message. For more information about size selection and text blocks, see "LAYING OUT TEXT IN BLOCKS" in Chapter 4.

Previewing the Layout Image

You can preview the layout image before you start printing or carving. The image preview mode may help you edit the text and layout.

When you press the IMAGE key, the display shows the image of text and layout with ■ marks, not with exact letters and lines. Pressing the CANCEL key allows you to return to the previous screen.

◆ Note

You can start printing or carving within the image preview mode.

When you are not familiar with making stamps, remember the following basic steps:

1. Type text.
2. Format text as you like.
3. Preview the image to check text and layout.
4. Print with trial print sheets to check printouts.
5. Print with stamp ID labels to prepare stamp identification seals.
6. Carve a stamp.
7. Put the printed stamp ID labels to the stamp.

Moving Around with the Cursor Keys

You can move the text cursor right and left, and up and down with the four cursor keys. Holding down the cursor key repeats the cursor movement until the beginning or end of text. When you hold down the SHIFT key or the CODE key, the cursor movement changes accordingly. The following table shows the cursor movements:

To move the cursor	Hold down	Press
One character to the left or to the end of the previous line	–	◀ (Left Cursor) key
One character to the right or to the beginning of the next line	–	▶ (Right Cursor) key
One line up	–	▲ (Up Cursor) key
One line down	–	▼ (Down Cursor) key
To the beginning of a line	SHIFT	◀ (Left Cursor) key
To the end of a line	SHIFT	▶ (Right Cursor) key
To the beginning of the current or previous block	CODE	◀◀ (PREVIOUS) key
To the beginning of the next block	CODE	▶▶ (NEXT) key
To the beginning of the entire text	CODE	HOME key
To the end of the entire text	CODE	END key

❖ Note

While the BS key moves the text cursor and deletes characters on the left side of the text cursor, the cursor keys just move the text cursor without deleting characters.

For more information about text blocks, see “LAYING OUT TEXT IN BLOCKS” in Chapter 4.

Choosing Functions and Settings

The cursor keys also work as the selection keys to choose functions and settings. The selection cursor highlights the selected item. Press the ► (Right Cursor) or ◀ (Left Cursor) key to choose the right or left item displayed on the same line. Press the ▲ (Up Cursor) or ▼ (Down Cursor) key to change the selected item up and down.

The ↵ key works as an Enter key. Use this key to make the selected function and settings active. If you want to cancel the operation or selection, use the CANCEL key. Pressing the key returns you to the previous mode or selection without making it active.

For more information about various functions and formats, see the following pages.

Typing International Characters

Use the ALT key to enter international characters and diacritical marks labeled on the right side of keys. Hold down the ALT key and press any key with a character on its right side: a bullet appears under the ALT indication on the display.

Key Row	International characters and diacritical marks									
1	í									
2	^	¨	´	`	ü	í	ó	á		
3	ç	é	ú	"						
4	Ç	ç	Ñ	ñ	–	'				

When you type diacritics, enter any of the following diacritical marks first and then the base character to form composite characters.

Diacritics	Base characters									
^	A	E	I	O	U	a	e	i	o	u
¨	A	E	I	O	U	a	e	i	o	u y
´	A	E	I	O	U	a	e	i	o	u
`	A	E	I	O	U	a	e	i	o	u

After a diacritic and a base character are composed, they appear alternately on the display.

❖ Note

If you type characters that cannot form composite characters, only the last typed character is available.

Typing Symbols

When you type symbols, hold down the CODE key and press the SYMBOL key.

The first group of symbols appear on the display. Change the symbol group with the ▼ or ▲ key and choose your desired symbol with the ► or ◀ key.

Group	Symbols														
1	•	+	×	÷	=	®	©	™	[]	§	½	¾	Ω	
2	£	æ	°	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩		
3	0	1	2	3	4	5	6	7	8	9	±	+	-		
4	0	1	2	3	4	5	6	7	8	9	±	+	-		
5	○	●	□	★	♠	♥	♦	♣	♠	♥	♦	♣	×	+	!
6	→	←	↑	↓	in	mm	cm	in	cm	mm	cm	mm	cm	mm	cm
7	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
8	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
9	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
10	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
11	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
12	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦
13	♣	♠	♥	♦	♠	♥	♦	♣	♠	♥	♦	♣	♠	♥	♦

After you choose your desired one, press the CODE + ↵ key or the ↵ key. When you press the CODE + ↵ key, you can continue entering symbols until you return to the text mode. When you press the ↵ key, you can enter the selected symbol and immediately return to the text mode. Press the CANCEL key to quit the symbol mode.

USING AUTO FORMATS

While you can type and lay out text in the text mode to make stamps freely, the auto format mode allows you to make stamps easily, recalling pre-set layout templates or built-in messages with the AUTO FORMATS key.

❖ **Notes**

- You need size 40 stamps to use the pre-set layouts with the AUTO FORMATS key. You cannot make other sizes of stamps with the pre-set layouts.
- You can exit the auto format mode any time by pressing the AUTO FORMATS key again or pressing the CANCEL key.
- You can turn the power off any time during the auto format mode. If no error is detected, you can return to the last status after turning the power on.

This section helps you to learn entering the auto format mode, choosing a pre-set layout, typing your information for the layout, using a built-in message, and printing with the trial printer cassette. Follow these steps in order.

To enter the auto format mode:

1. Press the AUTO FORMATS key.

AUTO FORMATS

If you have entered text in the text mode, the display prompts you to clear it.

OK TO CLEAR?

If the text memory is empty and the format settings are all defaults, the display does not alert you. Skip the next step.

2. Press the ↵ key to clear the text memory.

To choose a pre-set layout:

The display shows the following message:

```

SELECT
PRE-SET:MEMORY
  
```

In this session, be sure to choose PRE-SET to use pre-set layouts. For MEMORY, see “Using the Stored Layout in the Auto Format Mode” in Chapter 5.

3. Choose PRE-SET with the ► or ◀ key and press the ↵ key.

```

SELECT GROUP
ADDRESS
  
```

4. Choose a layout group with the ▼ or ▲ key and press the ↵ key.

Choose	To use
ADDRESS	Address templates
ADDRESS (FRM)	Address templates with frames
BUSINESS	Templates for business use
CHECK BOX	Templates with check boxes
VERTICAL	Vertical format templates
VERTICAL (FRM)	Vertical format templates with frames
BUILT-IN MSG	Built-in messages

Choose ADDRESS in this session. You may choose any other layout group later on for your practice.

```

SELECT LAYOUT
1 ADDRESS
  
```

❖ Note

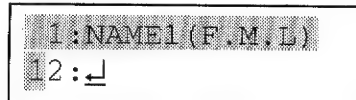
The beginning of this user's guide lists all pre-set layout templates and built-in messages available in the auto format mode. Look for stamp layouts in the list.

To type your information in the layout:

If you have chosen any layout group other than BUILT-IN MSG, you can choose layout templates among the selected layout group. You can easily make stamps just by entering your information in the pre-set layout templates.

5. Choose a layout with the ▼ or ▲ key and press the ↵ key.

Choose 1 ADDRESS in this session. You may choose any other layout group later on for your practice. When you have chosen a template, the display prompts you to enter your information after showing the layout image.



1:NAME1(F.M.L)
12:␣

6. Type your name.

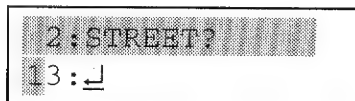
The different prompt lines appear for your different information. Type appropriate information to each prompt.

◆ **Note**

When you press the SHIFT + ▼ key, the current prompt item is copied to the lower text line. When you press the CODE + ▼ key, prompt items are copied to empty text lines. These keys are useful when you enter your information using the MEMORY feature. For MEMORY, see "Using the Stored Layout in the Auto Format Mode" in Chapter 5.

7. Change lines with the ▼ or ↵ key and enter your information to all prompts.

When you press the ↵ key, the next prompt appears after showing the layout image.



2:STREET?
13:␣

◆ Note

If there are few characters left to each prompt, the alert message appears as follows:

FEW CHAR. LEFT

If you enter too many characters to prompts, you cannot print or carve them. You can check the error with the IMAGE key.

You can move back to the previous lines with the ▲ key to change your information. After you have entered all your information in order, the following message appears on the display to prompt you to press the PRINT key.

PRESS PRINT

To use a built-in message:

If you have chosen BUILT-IN MSG for your practice, you can choose among 25 built-in messages. Choose a message with the ▼ or ▲ key and press the ↵ key. Because fixed messages are prepared, you do not need to type your information.

To print with the trial printer cassette:

You use the PRINT key and the trial printer cassette to print the formatted and laid-out text. Use trial print sheets to check text, formats and layout; use stamp ID labels to make identification seals for stamps. This process is called printing. You may practice printing other auto formats with trial print sheets later.

Before proceeding to the next steps, be sure to read “Using the Trial Printer Cassette” in Chapter 2 to get information about installing and removing the trial printer cassette.

8. Attach a trial print sheet to the trial printer cassette.

You may attach a stamp ID label to make a stamp seal later.

9. Install the trial printer cassette to the SC-100.

◆ Notes

- Be sure to close the side cover completely before printing.
When it is open, the display shows printing progress, however, nothing will be printed.
- Once you start printing, you cannot turn the power off with the ON/OFF key or cancel the operation with the CANCEL key during printing.

10. Press the PRINT key.

WORKING
CLOSE COVER

◆ Note

If no cassette or stamp is installed, the display prompts you to insert the cassette or a stamp. Insert the cassette in this session.

If no error is detected, the SC-100 starts printing. The message "KEEP COVER CLOSED" remains on the display until printing is finished.

PRINTING/KEEP
COVER CLOSED

When printing is finished, the display shows the following message.

REMOVE TRIAL

11. Remove the trial printer cassette and trial print sheet.

HEAD RETURNING

Check the text, formats, and layout with the printed sheet.

After printing is finished, you can return to the last screen where you have started printing or you can proceed to the carving process.

```
SELECT
CARVE:EDIT
```

◆ **Note**

If you have chosen BUILT-IN MSG for your practice, the above message does not appear. Because fixed built-in messages cannot be edited, you are always prompted to enter the carving process. See the next section.

12. Choose EDIT with the ► or ◀ key and press the ↵ key.

You may choose CARVE later on for your practice. For carving, see the next section.

Choose	To do
CARVE	Advance to the carving process to make a stamp. This option is useful when making labels and stamps successively.
EDIT	Return to the last mode where you have started printing. You can edit text again.

To quit the auto format mode:

13. Press the AUTO FORMATS or CANCEL key to finish the mode.

```
OK TO FINISH?
FINISH:SWITCH
```

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14. Choose FINISH with the ► or ◀ key and press the ↵ key.

You may choose SWITCH later on for your practice.

Choose	To do
FINISH	Finish the auto format mode and return to the text mode with all text and layout cleared.
SWITCH	Copy all the current text, formats, and layout to the text mode and finish the auto format mode. You can change them in the text mode.

You have now learned about printing with the AUTO FORMATS feature. You may advance to the next section to learn about making stamps or you may turn the power off.

MAKING YOUR FIRST STAMP

After you prepare text, formats, layout in the text mode or auto format mode, or you preview the layout image, make your first stamp using the PRINT key. The process to make stamps is called carving.

◆ Notes

- When you want to make your first stamp with the standard supply, a size 30 stamp, change the frame size and prepare your text in the text mode. For more information about frame sizes, see “CHANGING THE FRAME SIZE OF YOUR STAMP” in Chapter 4.
- You need size 40 stamps to use the pre-set layouts with the AUTO FORMATS key. You cannot make other sizes of stamps with the pre-set layouts.

Be sure to read “Using the Stamps” in Chapter 2 to get information about installing and removing stamps. Remember the following basic steps to make a stamp:

1. Press the ON/OFF key to turn the power on.
2. Prepare your text, formats, and layout in the text mode or auto format mode.

You may preview the layout image with the IMAGE key in advance.

3. Install a stamp to the SC-100 and close the side cover completely.

◆ Notes

- Make sure that the write-protect tab is open.
- Be sure to close the side cover completely before carving. If it is open, the display shows carving progress, however, nothing will be carved.
- Once you start carving, you cannot turn the power off with the ON/OFF key or cancel the operation with the CANCEL key during carving.

4. Press the PRINT key.

The display asks if you want to proceed to the carving process. You may cancel the operation with the CANCEL key or proceed with the ↵ key.

CARVE STAMP?

5. Press the ↵ key.

WORKING
CLOSE COVER

◆ Notes

- If no stamp is installed, the display alerts you.
- If you have chosen any frame size with the FRAME SIZE key, the display prompts you to insert the correct size of a stamp before carving. For more information, see "CHANGING THE FRAME SIZE OF YOUR STAMP" in Chapter 4.

If no error is detected, the SC-100 starts carving the stamp.

CARVING/KEEP
COVER CLOSED

When carving is finished, the display shows the following message.

REMOVE STAMP

6. Remove the stamp.

HEAD RETURNING

After carving is finished, you can return to the last screen where you have started carving.

Congratulations on making your first stamp and mastering all the basic operations. You may advance to the next chapter to learn about formatting or you may turn the power off.

CHAPTER 4 FORMATTING YOUR STAMP

CHANGING LINE FORMATS

Learning the Line Formats

You can change line formats such as sizes, styles, fonts and alignment of text. You can apply these formats line by line when you are working in the text mode or previewing the layout image with the IMAGE key.

◆ Notes

- Line formats always apply to a whole line. You cannot change formats character by character.
- Line formats are fixed in the auto format mode. You can copy auto formats and change them in the text mode.

You can apply formats to the current line where the text cursor is located. You may move the text cursor to the target line before you press the formatting keys or you may change lines later in each formatting mode.

When you press the SIZE, STYLE, FONT, or ALIGNMENT key, you can enter each formatting mode. Remember the following common operation technique:

- After you enter the formatting mode, you can change the line to be formatted by pressing the ▼ or ▲ key at the LN (line) item. When the format item other than LN is highlighted, press the CODE + ▼ or ▲ key to change the line to be formatted, so that the target line and block numbers appear on the display.

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- ❑ You can restore line formats to the default settings. Press the SPACE key to restore the selected format item to the default setting. Press the CODE + SPACE key to restore all format items to the default settings.

Key	Default line format setting
SIZE	AUTO size, MEDIUM width
STYLE	NORMAL style, Italic OFF
FONT	HELSINKI
ALIGNMENT	JUSTIFY

For example, when you press the CODE + SPACE key at the SIZE selection screen, the size and width settings of all lines are restored to AUTO and MEDIUM.

LN	SIZE	WIDTH
12.	AUTO	MEDIUM

Changing Sizes

You can change font sizes and widths. When you press the **SIZE** key, the display shows the current size and width.

LN	SIZE	WIDTH
12	AUTO	MEDIUM

Press the **►** or **◄** key to choose the item to be set. Press the **▼** or **▲** key to change the setting.

Item	Setting
LN	Block and line to be formatted (LN = Line)
SIZE	AUTO, 6, 10, 13, 19, 26, or 38 points
WIDTH	MEDIUM, NARROW, or WIDE

◆ Note

Even if bold, outline, or shadow is activated with the **STYLE** key, six-point text is always printed or carved in normal style.

Press the **↵** key to make selection active or cancel formatting with the **CANCEL** key.

SIZE 6 points 10 points 13 points 19 points
 26 points 38 points

When you choose any size other than AUTO, the display shows the triangle mark above the **SIZE** indication. The SC-100 prints the maximum size of font, depending upon the current frame size and block length.

MEDIUM	ABC
NARROW	ABC
WIDE	ABC

Changing Styles

You can change font styles including italics. When you press the STYLE key, the display shows the current style.

LN	STYLE	ITAL
12	NORMAL	OFF

Press the ► or ◀ key to choose the item to be set. Press the ▼ or ▲ key to change the setting.

Item	Setting
LN	Block and line to be formatted (LN = Line)
STYLE	NORMAL, BOLD, OUTLINE, or SHADOW
ITAL (Italic)	ON or OFF

➡ Note

Even if bold, outline, or shadow is active, six-point text, which is set with the SIZE key, is always printed or carved in normal style.

Press the ↵ key to make selection active or cancel formatting with the CANCEL key.

The display shows the active style with the triangle marks above the STYLE and ITAL indications.

	ITALIC OFF	ITALIC ON
NORMAL	ABC	<i>ABC</i>
BOLD	ABC	<i>ABC</i>
OUTLINE	ABC	<i>ABC</i>
SHADOW	ABC	<i>ABC</i>

Changing Fonts

You can change fonts. When you press the FONT key, the display shows the current font.

LN	FONT
12:	HELSINKI

Press the ► or ◀ key to choose the item to be set. Press the ▼ or ▲ key to change the setting.

Item	Setting
LN	Block and line to be formatted (LN = Line)
FONT	HELSINKI, BRUSSELS, or ISTANBUL

Press the ↵ key to make selection active or cancel formatting with the CANCEL key.

HELSINKI	ABCDEF
BRUSSELS	ABCDEF
ISTANBUL	ABCDEF

Changing Text Alignment

You can change text alignment. When you press the ALIGNMENT key, the display shows the current alignment.

LN	ALIGNMENT
12:	JUSTIFY

Press the ► or ◀ key to choose the item to be set. Press the ▼ or ▲ key to change the setting.

Item	Setting
LN	Block and line to be formatted (LN = Line)
ALIGNMENT	JUSTIFY, LEFT, CENTER, or RIGHT

Press the ↵ key to make selection active or cancel formatting with the CANCEL key.

The display shows the active alignment with the triangle mark under the JUST, LEFT, CTR, or RIGHT indication.

<p>T e x t i s j u s t i f i e d.</p> <p>Text is aligned to the left.</p> <p>Text is centered.</p> <p>Text is aligned to the right.</p>

CHANGING THE FRAME SIZE OF YOUR STAMP

Text automatically fits the frame of a stamp. You can change the frame size of your stamp and units of measurement. Three pre-set nominal frame sizes and free frame sizes are available: size 10, 30, 40 and NEW.

The first screen of the display always shows the current frame size. When you press the FRAME SIZE key, the display shows the following selection menu.

```
SET FRAME SIZE
40:30:10:NEW →
```

◆ Note

If you change the frame size, all block length settings are restored to the default AUTO settings. For more information about block length, see "Changing the Block Length" in this chapter.

Press the ► or ◀ key to choose any frame size. Press the ↵ key to make selection active or cancel selection with the CANCEL key.

Frame size	Setting
40	Size 40 stamp (Default frame size)
30	Size 30 stamp
10	Size 10 stamp
NEW	Free height and width sizes
UNIT	Units of measurement

Choosing any pre-set frame size:

When you choose any pre-set nominal frame size, for example 30, the upper row of the first screen shows the active pre-set frame size indication as follows:

```
SIZE:30
```

Be sure to use the specified nominal size of labels and stamps.

Choosing any free frame size:

When you choose NEW, the display shows the sub-menu for the frame height and width.

HEIGHT WIDTH
 1.0in. 2.7in.

Press the ► or ◀ key to choose HEIGHT or WIDTH. Press the ▼ or ▲ key to change the free frame size in the following ranges:

Item	NEW frame size (Default setting)
HEIGHT	0.2–1.0 inch in 0.1-inch increments (1.0 inch) 4–27 mm in 1 mm increments (27 mm)
WIDTH	0.2–2.7 inches in 0.1-inch increments (2.7 inches) 4–70 mm in 1 mm increments (70 mm)

⇒ Note

The sizes are indicated in the selected unit of measurement. See the next description.

Press the ↵ key to make selection active or cancel selection with the CANCEL key.

You can restore the height and width sizes to the default settings. Press the SPACE key to restore the selected item to the default setting. Press the CODE + SPACE key to restore both items to the default settings.

When you choose any free value, for example 0.5-inch height and 2.0-inch width, the upper row of the first screen shows the active free frame size indication as follows:

0.5x2.0

When you set the free frame size, the text area is measured from the point where the diagonal lines of a frame are crossing. Be sure to use a stamp that can cover the free frame size, or an error message will appear when carving it.

CHAPTER 4 FORMATTING YOUR STAMP

The trial printer cassette is used in common for all frame sizes. When you press the PRINT key to start printing with the free frame size, the display might prompt you to choose the print area. Choose a correct frame size.

```
STAMP ID:SIZE?  
40:30:10
```

or

```
STAMP ID:SIZE?  
40:30
```

◆ Note

The print areas of stamp ID labels are different, depending upon frame sizes. When you use labels for free frame sizes, be sure to choose a correct frame size.

Because stamps are different in size, the size is automatically detected. If a wrong size of stamp is inserted before carving, the corresponding error message alerts you.

Choosing the units of measurement:

When you choose UNIT, the display shows the sub-menu for units of measurement. Sizes are indicated in inches or millimeters.

```
SET UNIT  
inch:mm
```

Press the ► or ◀ key to choose inch or mm. Press the ↵ key to make selection active or cancel selection with the CANCEL key.

The display always shows sizes in the selected unit of measurement.

CHANGING THE FRAME ORIENTATION

The SC-100 usually prints text or carves stamps in the horizontal orientation or direction. You can choose the frame orientation to print text vertically.

When you press the VERTICAL key, the display shows the following selection menu.



Press the ▼ or ▲ key to turn on or off vertical orientation. Press the ↵ key to make selection active or cancel selection with the CANCEL key.

Vertical orientation	Setting
OFF	Horizontal printing or carving (Default)
ON	Vertical Printing or carving

You can restore the orientation to the default setting. Press the SPACE or CODE + SPACE key to restore it to the default setting.

When you turn on vertical printing, a triangle mark appears above



(orientation indication) on the display.

When vertical orientation is turned on, the SC-100 prints or carves characters and symbols, tilting them by 90 degrees: specially designed brackets and a dash, (,), [,], -, are used for vertical printing or carving.

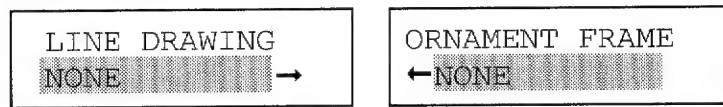
◆ Note

When vertical orientation is turned on for more than one line, the first line comes to the right side and the bottom line comes to the left side.

DRAWING LINES

Using the LINE DRAWING Key

You can draw lines or border around a stamp frame or text blocks. When you press the LINE DRAWING key, the display shows the following selection menu.



(appears for stamp size 40 only)

Press the ► or ◀ key to choose LINE DRAWING or ORNAMENT FRAME. Press the ▼ or ▲ key to choose any line type or ornament. Press the ↵ key to make selection active or cancel selection with the CANCEL key.

Line drawing	Setting
NONE	No lines (Default)
BORDER/SOLID	Solid border around a frame
BORDER/DOT	Broken border around a frame
BLOCK/SOLID	Solid border around text blocks
BLOCK/DOT	Broken border around text blocks
LINE/SOLID	Solid lines around all text lines
LINE/DOT	Broken lines around all text lines
Ornament frame	Setting only for size 40
NONE	No ornament frame (Default)
CHAIN	Chain ornament frame
WAVE	Wavy ornament frame
DOUBLE	Double ornament frame
GREECE	Greek ornament frame
RAIL	Rail ornament frame
RIBBON	Ribbon ornament frame
CANDY	Candy ornament frame
FLOWER	Flower ornament frame
PLATE	Plate ornament frame
SANTA	Santa ornament frame
MEMO	Memo ornament frame

◆ Notes

- Ornament frames are available only for size 40. An ornament image fits a size 40 frame and a text area is preset for each ornament. Text is arranged in the preset area and printed or carved together with the ornament image.
- The beginning of this user's guide lists all ornament frames available for size 40. Look for ornament frames in the list.

You can restore the line drawing to the default setting. Press the SPACE or CODE + SPACE key to restore it to the default setting.

When your selection becomes active, the display confirms if you draw lines or border.

OK TO DRAW?
BORDER/SOLID

Press the ↵ key to draw lines or border, or cancel line drawing with the CANCEL key. You may press ► key for ornament frames for size 40 only.

Drawing border or ornament lines around a frame

ABC	
DEF	JKL
GHI	

Drawing block lines around text blocks

ABC	
DEF	JKL
GHI	

Drawing lines around text lines

ABC	
DEF	JKL
GHI	

◆ Note

The above examples show solid lines.

Drawing or Erasing Lines in the Image Preview Mode

You can also use a partial line drawing/erasing feature in the image preview mode. Follow these steps:

❖ Note

When you enter the image preview mode from the auto format mode with the **AUTO FORMATS** key, you cannot draw or erase lines in the image preview mode.

1. Press the **IMAGE** key to enter the image preview mode.

To return to the previous screen, press the **CANCEL** or **↵** key.

2. Press the **▼**, **▲**, **▶**, or **◀** key to move the highlight cursor to the target text line.
3. Press the **SPACE** key several times to change the line type indication on the display.

Line type	Setting
SOLID	Solid line
DOT	Dotted line
ERASE	Erase lines

4. Press the **↵** key to choose the displayed line type.
5. Press the **CODE** + **▼**, **▲**, **▶**, or **◀** key to draw or erase lines.

Key	Line
CODE + ▲	Draw or erase the line above the current cursor position.
CODE + ▼	Draw or erase the line under the current cursor position.
CODE + ◀	Draw or erase the line on the left side of the current cursor position.
CODE + ▶	Draw or erase the line on the right side of the current cursor position.

After you draw or erase lines, you can exit the mode with the **↵** key.

LAYING OUT TEXT IN BLOCKS

Creating Blocks in the Frame

When you create horizontal and vertical blocks in a frame with the H.BLOCK→ and V.BLOCK↓ keys, you can format text and draw lines differently in each block. In principle, one frame can contain up to six horizontal and vertical blocks in total and up to four vertical blocks, and each block can hold up to nine lines of text.

Remember that the vertical blocks are called steps. Steps can hold one block or more than one horizontal block.

ABC ↘	GHIJK ↘
DEF ↘	
LMNOP	

The above frame has four lines of text, three blocks, and two steps. The maximum number of lines, blocks, or steps is subject to formatting such as frame size and font size. Use the following table as a reference.

Reorder no.	Nominal size	# of lines	# of blocks	# of steps
PS-S10B	10	Up to 4	Up to 6	Up to 4
PS-S10R	10	Up to 4	Up to 6	Up to 4
PS-S30B	30	Up to 4	Up to 6	Up to 4
PS-S30R	30	Up to 4	Up to 6	Up to 4
PS-S40B	40	Up to 9	Up to 6	Up to 4
PS-S40R	40	Up to 9	Up to 6	Up to 4

◆ Notes

- Do not press the H.BLOCK→ and V.BLOCK↓ keys unnecessarily. Empty blocks that have no characters are also reserved for printing or carving.
- If you create blocks, all block length settings are restored to the default AUTO settings. For more information about block length, see "Changing the Block Length" in this chapter.

To create a horizontal block:

```
11:ABC↵
12:DEF_
```

Press the H.BLOCK→ key. The screen scrolls down, showing a horizontal block mark instead of a return mark. The block and line numbers change accordingly.

```
12:DEF↵
21:GHIJK_
```

Although a stamp face is subject to formatting, it might look as follows:

ABC	GHIJK
DEF	

You can create up to six blocks including both the horizontal and vertical blocks.

To create a vertical block:

```
12:DEF↵
21:GHIJK_
```

Press the CODE + V.BLOCK↓ key. The screen scrolls down, showing a vertical block mark instead of a return mark. The block and line numbers change accordingly.

```
21:GHIJK↵
31:LMNOP_
```

Although a stamp face is subject to formatting, it might look as follows:

ABC	GHIJK
DEF	
LMNOP	

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Although you can create up to four vertical blocks or steps, the frame can hold up to six blocks including horizontal ones.

To move around blocks:

When you create blocks, you can move around blocks with the following keys as well as with the normal cursor keys:

To move the cursor	Hold down	Press
To the beginning of the current or previous block	CODE	◀◀ (PREVIOUS) key
To the beginning of the next block	CODE	▶▶ (NEXT) key

For more information about cursors, see “Moving Around with the Cursor Keys” in Chapter 3.

Changing the Block Length

You can change the length of blocks with the **BLOCK LENGTH** key to the extent of the total length of the frame size. Text fits the selected block length.

Change the block length as follows:

1. Press the **CODE + BLOCK LENGTH** key.

The display shows the length setting of the first block. The following display, for example, indicates there are 3 blocks and the total length is 2.5 inches.

1-3B TOTAL: 2.5 BLOCK1: AUTO →
--

2. Press the ► or ◀ key to choose the target block.

The block number changes until the last one.

1-3B TOTAL: 2.5 BLOCK2: AUTO →
--

3. Press the ▼ or ▲ key to change the length setting of the selected block.

The setting can change as follows:

Block length	Setting
AUTO	The length of the selected block is automatically set, referring to the frame size, the length of some other blocks, the number of blocks, and text length. (Default setting)
0.1–Total length (1–Total length)	The length of the selected block can be set from 0.1 inch or 1 mm to the total length in 0.1-inch or 1-mm increments.

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You can restore the block lengths to the default settings. Press the SPACE key to restore the length of the selected block to the default setting. Press the CODE + SPACE key to restore the lengths of all blocks to the default settings.

❖ Notes

- The setting values appear in the unit of measurement specified by the FRAME SIZE key. For more information, see “CHANGING THE FRAME SIZE OF YOUR STAMP” in this chapter.
- If your settings are incorrect, for example all the settings exceed the total length, the error message appears when previewing, printing, or carving.
- The length of at least one or more blocks on each step of blocks must be set to AUTO.
- If you clear a block of text or you change the number of blocks or the frame size, all block length settings are restored to the default AUTO settings.

4. Press the ↵ key to make selection active or cancel the operation with the CANCEL key.

CHAPTER 5 LEARNING USEFUL FEATURES

USING THE DEMONSTRATION MODE

The SC-100 can show you its capabilities by using its demonstration.

FOR DEPOSIT ONLY

ACCOUNT #:

Perform the demonstration as follows:

1. Turn power on and make sure the frame size is set to size 40.

You can change the frame size with the FRAME SIZE key.

2. Install the trial printer cassette and a trial print sheet or a size 40 stamp.

◆ **Note**

If you install a size 10 or 30 stamp, you cannot perform the demonstration.

3. Make sure that no text is in the text mode and you are not in the auto format mode.

Be sure to clear text in the text mode. If you are in the auto format mode, press the AUTO FORMATS key to exit the mode.

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4. Press the CODE + D key.

The SC-100 starts preparing for printing or carving with the fixed demonstration pattern.

SELF DEMO

If you use the trial printer cassette, skip the next step. If you install a stamp, advance to the next step. The display confirms if you perform a demonstration.

CARVE STAMP?

5. If you use a stamp, press the \downarrow key to start carving or cancel it with the CANCEL key.

When the demonstration is finished, the display shows the following message:

REMOVE TRIAL

or

REMOVE STAMP

6. Remove the trial printer cassette or remove the stamp.

HEAD RETURNING

The print head returns to the home position and the text mode resumes.

ADJUSTING THE DISPLAY CONTRAST

You can adjust the display contrast with the CONTRAST key. Increase or decrease the contrast to the surrounding lighting condition, so that you can comfortably read the display screen.

When you press the CODE + CONTRAST key, the display shows the following screen:



Press the ► or ◀ key to increase or decrease the liquid crystal display (LCD) contrast. *L* indicates lower contrast and *H* indicates higher contrast. Pressing the SPACE key restores the contrast to the default setting.

Press the ↵ key to make selection active or cancel the operation with the CANCEL key.

CLEARING TEXT

You can delete text character by character with the BS key. The more efficient way to clear text is using the CLEAR key. You can clear all text, a block of text, or lines of text at a time.

When you press the CODE + CLEAR key, the display shows the following screen:

CLEAR
ALL:BLOCK:LINE

Press the ► or ◀ key to choose the operation as follows:

Choose	To do
ALL	Clear all text at a time. The frame size, format settings, and drawing lines are restored to the default settings.
BLOCK	Clear text in the current block where the text cursor exists. Other blocks of text remain with the same formats.
LINE	Clear text from the current line to the selected line. Other lines of text remain with the same formats.

◆ Notes

- If you clear lines of text across blocks, lines cannot be combined in any existing block. They are always in different blocks.
- If you clear a block of text, all block length settings are restored to the default AUTO settings.

Press the ↵ key to perform the operation or cancel it with the CANCEL key.

To clear all or block text:

When you attempt to clear all or block text, the display reconfirms whether to perform the operation.

OK TO CLEAR?

Press the \downarrow key to delete all or block text, or cancel the operation with the CANCEL key.

To clear lines of text:

When you attempt to clear lines of text, the following screen appears showing the current line on the lower row. It asks to which line you want to delete.

TO WHICH LINE?
11:ABC \downarrow

Press the \blacktriangledown or \blacktriangle key to highlight other lines until the last target line to be deleted. You can clear text from the current line to the selected line. Press the \downarrow key to delete the selected lines or cancel the operation with the CANCEL key.

TO WHICH LINE?
13:GHIJK \downarrow

When you press the \downarrow key, the display reconfirms whether to perform the operation.

OK TO CLEAR?
13:GHIJK \downarrow

Press the \downarrow key to perform the operation or cancel it with the CANCEL key.

ORGANIZING YOUR TEXT FILES

Using the MEMORY Key

To make the same stamp over, you do not need to type the same text with the same layout over and over again. The memory feature in the text mode allows you to store up to 100 text files including their layouts. You can retrieve a file to make same stamps at any time. If you prefer, you can modify text and store it as a different file or write it over the old one. If you do not need some files any more, you can delete them from memory.

◆ Notes

- You can use the MEMORY key only in the text mode. Once you have stored text files including formats and layouts, you can use the layout memory feature in the auto format mode. For more information, see "Using the Stored Layout in the Auto Format Mode" in this chapter.
- The text memory can hold up to approximately 2,700 characters for the different 100 text files. If larger and/or styled characters or drawn lines are also stored, less characters can be stored.

Press the CODE + MEMORY key to use the memory feature. The display shows the following screen.

```
SELECT MODE
STORE:REC:DEL
```

Press the ► or ◀ key to choose the memory operation as follows:

Choose	To do
STORE	Store the current text file in memory.
REC	Recall any existing text file from memory.
DEL	Select and delete text files or delete all text files from memory.

To store a text file:

First of all, enter and lay out text in the text mode before storing it with the MEMORY key. When you choose STORE, the display first shows the smallest unreserved file number as follows:

```
STORE
[ 3]
```

❖ Note

You can store up to 100 text files with file numbers from 0 to 99.

You may press the ▼ or ▲ key until your desired file number appears on the display.

When you press the ↵ key at any unreserved file number, the current text is stored with the selected file number and you return to the text mode. You can cancel the operation with the CANCEL key.

If file numbers are already used for existing files, you can see file contents. When you want to see more contents, press the ► or ◀ key to scroll them horizontally.

```
STORE
[ 0]ABC
```

When you press the ↵ key at any existing file number, the display asks if you write the current file over the existing file as follows:

```
OVERWRITE?
[ 0]ABC
```

When you press the ↵ key, the old file is replaced with a new one and you return to the text mode. You can cancel the operation with the CANCEL key.

To recall a text file:

When you choose REC, the display shows a file number, text contents, and frame size as follows:

```
RECALL SIZE:40  
[ 0]ABC
```

◆ **Notes**

- The display first shows the file to which you recently got access or the file of the smallest file number.
- The display can show contents including return and block marks.

Press the ▼ or ▲ key until the file to be recalled appears on the display.

```
RECALL SIZE:40  
[ 1]ABCDEFJGHI
```

When you want to see more contents, press the ► or ◀ key to scroll them horizontally.

```
RECALL SIZE:40  
[ 1]DEFJGHIJKL
```

When you find the target file on the display, press the ↵ key to recall it in the text mode or cancel the operation with the CANCEL key. If any text is already in the text mode, it is replaced with the recalled one.

To delete a text file:

When you choose DEL, the display shows a file number, text contents, and frame size as follows:

```
DELETE SIZE:10
[ 0]DEF
```

❖ Notes

- The display first shows the file to which you recently got access or the file of the smallest file number.
- The display can show contents including return and block marks.

You can delete files in two ways. One way is by selecting a file or files to be deleted with the SPACE key and another way is by deleting all files at a time with the CLEAR key.

- ☐ When you want to delete a file, press the ▼ or ▲ key until the file to be deleted appears on the display.

```
DELETE SIZE:40
[ 1]ABCDEF↵GHI
```

When you want to see more contents, press the ► or ◀ key to scroll them horizontally.

```
DELETE SIZE:40
[ 1]DEF↵GHIJKL
```

When you find the file to be deleted, press the SPACE key to highlight it on the display. Pressing the SPACE key again cancels the highlight.

When you want to delete more than one file, use the ▼, ▲, and SPACE keys in the same way to highlight files to be deleted. Scroll through screens with the ▼ or ▲ key to see target files are highlighted. Although all stored files appear on the display, only highlighted files will be deleted.

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After you select a file or files to be deleted, press the \downarrow key. The display confirms if you delete the selected file or files as follows:

```
OK TO DELETE?  
[ 2]MNOPLRST
```

⇒ Note

When you delete a single file, you do not necessarily need to highlight it with the SPACE key. When you see the file on the display, you can delete it just by pressing the \downarrow key. When you delete more than one file, however, you need to highlight target files with the SPACE key before pressing the \downarrow key.

- ☐ When you delete all text files at a time, press the CODE + CLEAR key at any file number after you have selected DEL in the select mode. The display confirms if you delete all files as follows:

```
OK TO DELETE  
ALL FILES?
```

Whichever way you follow, press the \downarrow key to delete the selected file or all files from memory, and then you return to the text mode. You can cancel the operation with the CANCEL key.

Using the Stored Layout in the Auto Format Mode

Once you have stored text, formats, and layout in the text mode, you can use only the formatted layout in the auto format mode. The memory feature in the auto format mode allows you to recall the stored layout for entering different text.

◆ **Note**

You can use this memory feature only after you store text files including formats and layouts with the MEMORY key in the text mode. Be sure to prepare text files in the text mode in advance.

Use the stored formats and layout as follows:

1. Press the AUTO FORMATS key.

AUTO FORMATS

If you have entered text in the text memory, the display prompts you to clear memory. Remember you can cancel the operation anytime with the CANCEL key.

OK TO CLEAR?

If the text memory is empty and the format settings are all defaults, the display shows no alerts. Skip the next step.

2. Press the \downarrow key to clear the text memory.

The display shows the following message.

SELECT
PRE-SET: MEMORY

In this session, be sure to choose MEMORY. For PRE-SET, see “USING AUTO FORMATS” in Chapter 3.

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3. Choose MEMORY with the ► or ◀ key and press the ↵ key.

The display shows a file number, text contents, and frame size as follows:

```
RECALL SIZE:40  
[ 0]ABC
```

◆ Notes

- The display first shows the file to which you recently got access or the file of the smallest file number.
- The display can show contents including return and block marks.

4. Press the ▼ or ▲ key until the file to be recalled appears on the display.

```
RECALL SIZE:40  
[ 1]ABCDEF↵GHI
```

5. When you want to see more contents, press the ► or ◀ key to scroll them horizontally.

```
RECALL SIZE:40  
[ 1]DEF↵GHIJKL
```

You can preview the layout image with the IMAGE key. After you preview the image, cancel the image preview mode to advance to the next step.

6. When you find the target file on the display, press the ↵ key to recall it in the auto format mode.

You can enter different text line by line in the recalled layout. Because your stored text appears as a prompt, it helps you to enter similar but different text.

```
1:ABCDEF  
11:↵
```


7. Type new text to the prompt.

The prompt lines change for your different text. Type appropriate text to each prompt.

◆ Notes

- When you press the SHIFT + ▼ key, the current prompt item is copied to the lower text line. When you press the CODE + ▼ key, prompt items are copied to empty text lines. These keys are useful when you enter same text as before.
- You cannot scroll the prompt line horizontally with the ► or ◀ key.

8. Change lines with the ▼ or ⌵ key and enter text to all prompts.

```
1: LMNOPQ
23: ⌵
```

You can move back to the previous lines with the ▲ key to change your information.

If you have entered all text in order, the following message appears on the display to prompt you to press the PRINT key.

```
PRESS PRINT
```

9. Insert the trial printer cassette or a stamp.

10. Press the PRINT key to print or carve your text using the recalled formats and layout.

After printing or carving, you can finish the memory feature in the auto format mode.

11. Press the AUTO FORMATS or CANCEL key.

```
OK TO FINISH?
FINISH: SWITCH
```

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12. Choose FINISH or SWITCH with the ► or ◀ key and press the ↵ key.

Choose	To do
FINISH	Finish the auto format mode and return to the text mode with all text and layout cleared.
SWITCH	Copy all the current text and layout to the text mode memory and finish the auto format mode. You can change them in the text mode.

CHAPTER 6 TROUBLESHOOTING

RESETTING THE SC-100

If a problem occurs, you might be able to clear it depending on the display message. For error messages, see the next section.

If absolutely required, reset the SC-100 as follows:

❖ **Note**

Warning: when the SC-100 is reset, it is initialized, so that all text is cleared from memory and all your format settings are restored to the default settings.

1. Turn the power off.
2. Hold down the CODE + R key and turn the power on, so that the SC-100 is initialized in the following status:

Item	Default settings
FRAME SIZE	40
VERTICAL	OFF
BLOCK LENGTH	AUTO
LINE DRAWING	NONE
ORNAMENT FRAME	NONE
SIZE	AUTO
WIDTH	MEDIUM
STYLE	NORMAL
ITALIC	OFF
FONT	HELSINKI
ALIGNMENT	JUSTIFY
CAPS	OFF
MEMORY (Text memory)	Cleared
Text buffer	Cleared

If you cannot clear the problem by resetting, consult your dealer or the authorized service depot in your area. For more information, see the Brother Authorized Service Center Booklet that comes with this SC-100.

CLEARING ERROR MESSAGES

If your SC-100 has any problems, the display shows you the corresponding error message. Find the error message in the following list and take the appropriate action to fix it.

If you cannot clear the problem, consult your dealer or the authorized service depot in your area. For more information, see the Brother Authorized Service Center Booklet that comes with this SC-100.

Error message	Meaning	Action
4 STEP LIMIT!	You cannot create more than four steps or vertical blocks.	Delete unnecessary blocks to add new blocks. You can create up to four steps or vertical blocks.
6 BLOCK LIMIT!	You cannot create more than six blocks.	Delete unnecessary blocks to add new blocks. You can create up to six horizontal and vertical blocks.
9 LINE LIMIT!	You cannot enter more than nine lines of text in the text mode.	Delete unnecessary lines to add new lines.
	You cannot create vertical blocks so that the frame (all steps) contains more than nine lines of text in total.	Delete unnecessary lines to create new vertical blocks.
	You cannot delete block marks so that a block contains more than nine lines of text.	Delete unnecessary lines and then delete block marks.
BATTERIES WEAK	The installed batteries became weak during printing or carving.	Turn the power off after printing or carving. Replace old batteries with new ones within five minutes. Be sure to replace all batteries at a time. You may use the optional AC adapter.

CHAPTER 6 TROUBLESHOOTING

Error message	Meaning	Action
EXCEEDS BLOCK!	You cannot preview a layout image because there are too many characters or fonts that are too big to fit the current block length.	Make the block length longer with the BLOCK LENGTH key, delete unnecessary characters with the BS key, or make the fonts smaller with the SIZE key before previewing the layout image.
	You cannot print text or carve a stamp because there are too many characters or fonts that are too big to fit the current block length.	Make the block length longer with the BLOCK LENGTH key before printing text or carving stamps, or print text or carve a stamp which characters or fonts can fit the current block size.
BUFFER EMPTY!	You cannot preview the layout image because nothing is entered in the text mode.	Enter text before previewing the layout image.
	You cannot store a file because there is no text in the text mode.	Enter text before storing it.
	You cannot print text or carve a stamp because nothing is entered in the text mode.	Enter text before printing text or carving stamps.

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Error message	Meaning	Action
BUFFER FULL!	<p>Because the buffer or the working memory area is full:</p> <ul style="list-style-type: none"> • You cannot enter characters and spaces in the text mode. • You cannot create a new line in the text mode. • You cannot create a new horizontal or vertical block in the text mode. • You cannot enter a symbol. • You cannot enter characters and spaces in the auto format mode. 	Delete unnecessary parts of text to add more.
CAN'T DO HERE!	<p>You cannot perform the operation such as:</p> <ul style="list-style-type: none"> • Previewing the image. • Changing lines of auto formats. 	Do not perform the impossible operation.
DATA TOO LONG!	The length of blocks exceeds the total block length.	Check the total size on the display and make the length of any block shorter with the BLOCK LENGTH key.
FEW CHAR. LEFT	There are few characters left to prompts in the auto format mode.	Be careful not to make text too long.
INSERT STAMP!	You cannot carve a stamp because a stamp is not installed or the trial printer cassette is installed.	Insert a stamp before carving it.
INSERT STAMP OR TRIAL CASS.	You cannot print text or carve a stamp because a stamp or the trial printer cassette is not inserted.	Insert a stamp or the trial printer cassette.

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Error message	Meaning	Action
INSERT STAMP SIZE 40!	You cannot carve a stamp because text fits a size 40 stamp but the inserted stamp is small.	Insert a size 40 stamp.
	You cannot perform demonstration carving because the inserted stamp is not size 40.	Insert a size 40 stamp. Demonstration carving always needs size 40 stamps.
INSERT STAMP SIZE 40 OR 30!	You cannot carve a stamp because text fits a size 30 stamp and the inserted stamp is small.	Insert a size 30 or 40 stamp.
INSERT TRIAL!	You cannot print text because the trial printer cassette is not installed.	Insert the trial printer cassette with a trial print sheet or a stamp ID label before printing text.
MEMORY FULL!	You cannot store or overwrite a text file because memory is full.	Delete unnecessary text files before storing others.
NO TEXT FILES!	You cannot recall or delete a text file because no text files are stored in memory.	Store text files before recalling or deleting text files.
	You cannot recall formats and layout in the auto format mode because no text files are stored in memory.	Store text files in the text mode before recalling formats and layouts in the auto format mode.
RAM DOWN!	Random access memory (RAM) failure after turning the power on.	Reset the machine or consult the service representative.
REMOVE STAMP!	A stamp is already installed while the power is being turned on.	Remove the stamp.
REMOVE TRIAL!	The trial printer cassette is already installed while the power is being turned on.	Remove the cassette.

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Error message	Meaning	Action
REPLACE BATTERIES!	<ul style="list-style-type: none"> You cannot print text or carve a stamp because of empty batteries. The installed batteries became empty during printing or carving. 	Turn the power off soon or after printing or carving. Replace the old batteries with new ones within five minutes. Be sure to replace all batteries at a time. You may use the optional AC adapter.
ROM DOWN!	Read only memory (ROM) failure while the power is being turned on.	Reset the machine or consult the service representative.
SYSTEM ERROR!	System error while the power is being turned on.	Reset the machine or consult the service representative.
TEXT TOO HIGH!	You cannot preview the layout image because there are too many lines or steps, or the fonts are too big to fit the current frame size.	Make the frame size bigger with the FRAME SIZE key or delete unnecessary lines or steps with the BS or CLEAR key, or make fonts smaller with the SIZE key before previewing the layout image.
	You cannot print text or carve a stamp because there are too many lines or steps, or the fonts are too big to fit the current frame size.	Make the frame size bigger with the FRAME SIZE key or delete unnecessary lines or steps with the BS or CLEAR key, or make fonts smaller with the SIZE key before printing text or carving stamps.
TEXT TOO LONG!	You cannot preview the layout image because there are too many characters or the fonts are too big to fit the current frame size.	Delete unnecessary characters with the BS key or make fonts smaller with the SIZE key before previewing the layout image.
	You cannot print text or carve a stamp because there are too many characters or the fonts are too big to fit the current frame size.	Delete unnecessary characters with the BS key or make fonts smaller with the SIZE key before printing text or carving stamps.

CHAPTER 6 TROUBLESHOOTING

Error message	Meaning	Action
TH. HEAD ERROR	The thermal head did not return to its home position while turning the power on or after removing the stamp or cassette.	Turn the power off and on again, reset the machine, or consult the service representative.
TOO MANY CHAR!	You cannot enter characters and spaces because the line cannot hold any more.	Delete unnecessary parts of text to add more characters.
TOO MANY LINES	You cannot preview the layout image because there are too many lines to fit the current frame size.	Make the frame size bigger with the FRAME SIZE key or delete unnecessary lines with the BS or CLEAR key before previewing the layout image.
	You cannot print text or carve a stamp because there are too many lines to fit the current frame size.	Make the frame size bigger with the FRAME SIZE key or delete unnecessary lines with the BS or CLEAR key before printing text or carving stamps.
WRONG ADAPTER!	You are using a wrong type of AC adapter.	Be sure to use the correct optional AC adapter.

TROUBLESHOOTING YOUR PROBLEM

If you have a problem and you do not see an error message on the display, find your problem in the following list and take the appropriate action to fix it.

If you cannot solve the problem, consult your dealer or the authorized service depot in your area. For more information, see the Brother Authorized Service Center Booklet that comes with this SC-100.

Problem	Cause	Action
Even if you press the ON/OFF key, nothing appears on the display.	Batteries are not installed.	Install batteries.
	Batteries are installed in the wrong direction.	Install batteries correctly referring to the direction marks indicated inside the battery case.
	Batteries are completely empty.	Replace old batteries with new ones. Be sure to replace all batteries at a time. You may use the optional AC adapter.
	The optional AC adapter is disconnected.	Plug in the optional AC adapter correctly.
The stored text is cleared from memory.	The SC-100 is left with batteries removed or empty batteries installed.	You cannot recover the cleared text. Install batteries and store text again.
	Power is not supplied when replacing batteries.	Turn the power off. Install new batteries within five minutes after removing old ones unless power is supplied via the optional AC adapter. You cannot recover the cleared text. Store it again.
	Although the optional AC adapter is connected to the SC-100, it is not plugged into the AC outlet for five minutes or more.	You cannot recover the cleared text. Plug in the AC adapter and store text again.

CHAPTER 6 TROUBLESHOOTING

Problem	Cause	Action
The trial printer cassette or a stamp cannot be inserted.	The inserting direction is wrong.	Insert the cassette or stamp in the correct direction.
	The cover of the trial printer cassette is not closed.	Close the cassette cover completely before inserting the cassette.
	The message pad is covered.	Remove the cover of the message pad before inserting the stamp.
	The write-protect tab of the stamp is closed.	Do not use the protected stamp or open the tab before inserting the stamp.
Nothing is printed or carved.	A trial print sheet or stamp ID label is not attached to the trial printer cassette or it is installed in the wrong direction.	Attach a trial print sheet or stamp ID label to the trial printer cassette correctly before printing.
	The message pad is not attached to the holder.	Attach the message pad to the holder. Try carving a stamp again.
	The side cover is open during printing or carving.	Close the side cover completely and try printing or carving again.
	The optional AC adapter is connected immediately after the battery error message appears on the display.	Be sure to turn the power off first and plug in the AC adapter. Then turn the power on and try printing or carving again.
Parts of the printed or carved text disappear halfway.	The side cover was opened during printing or carving.	Try printing or carving again with a new stamp ID label, trial print sheet, or stamp. Do not use old ones. Do not open the side cover halfway.

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Problem	Cause	Action
Text is printed or carved over another.	The printed trial print sheet, the printed stamp ID label, or the carved stamp is used twice.	<ul style="list-style-type: none"> • Use an un-printed area of the trial print sheet. For sizes 10 and 30, the sheet can be used twice. Reverse the installing direction. • Use a stamp only once. • Stamp ID labels can be used once or twice, depending upon the size. When the size is 10 or 30, do not attach the label the wrong way for the second time. • If the carved stamp is carved again, be sure to clean the thermal head.
Printing or carving is not clear. Or the stamp does not print clearly.	The dirty thermal head causes unclear text printouts or stamps.	Printing with the trial printer cassette and trial print sheet can clean the thermal head. If dirt cannot be removed by print cleaning, clean the head with a clean, soft cloth or swab. For cleaning the thermal head, see Fig. 2-3 in Chapter 2.
	The pad surface is dirty.	Stamp several times (ten or more) until the pad surface becomes clean. Do not wipe the pad surface with paper or cloth.
	The pad surface is damaged.	The damaged pad cannot be used. Make another stamp.
	The stamp is used on an uneven surface.	Stamp on a flat surface.
	The stamp is kept in wrong directions.	Always keep the stamp upright or with the covered pad face down when not using it.
Continued on the next page		

CHAPTER 6 TROUBLESHOOTING

Problem	Cause	Action
Printing or carving is not clear. Or the stamp does not print clearly.	The stamp is used 1,000 times or more.	Ink is insufficient. Make another stamp. Do not refill ink.
The stamp ink is not dried or fixed clearly on a surface.	Stamp quality is subject to surfaces or materials. A smooth or chemical-treated surface is not suitable for stamps.	Paper absorbs stamp ink. Use plain paper for stamps. Try stamping on the surface before actually using the stamp.

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APPENDIX SPECIFICATIONS

Hardware

Keyboard	QWERTY 62 keys	
Display	Liquid crystal display 14 characters x 2 lines with 13 guidance indications	
Printing or carving	Thermal printing or perforating at 180 dots-per-inch resolution at a speed of 2.9 mm/second.	
Printing speed	Size 40 & 30: 29 seconds	Size 10: 15 seconds
Carving speed	Size 40 & 30: 30 seconds	Size 10: 16 seconds
Memory		
RAM	32 Kbytes	
Input buffer	40 bytes, 10 characters	
Text buffer	512 bytes (plus 150 bytes for italics), about 255 characters	
Power		
Supply	6, size-C, dry-cell, manganese or alkaline batteries • The optional AC adapter (7.0 V, 1.2 A) is also available.	
Consumption	9 W	
Dimensions WxDxH	8.66 x 8.39 x 3.01 inches (220 x 213 x 76.5 mm)	
Weight	2.16 lb. (0.98 kg) without batteries, cassette, and stamp	
Stamps and labels	Black or red, 3 sizes of stamps available	
Size 10	0.35 x 1.18 inches (9 x 30 mm)	
Size 30	0.35 x 2.76 inches (9 x 70 mm)	
Size 40	1.06 x 2.76 inches (27 x 70 mm)	
	• Back-adhesive thermal labels can be put on stamps as indication seals.	
	• Stamps can be used up to 1,000 times.	
Trial printer cassette and trial print sheets	The cassette can hold thermal trial print sheets or stamp ID labels.	
Environment	Temperature	Humidity
Operating	50–95°F (10–35°C)	20–80% (without condensation)
Storage (Pack)	14–113°F (-10–45°C)	20–80% (without condensation)

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Software

Typing modes

Text mode

Enter text and format it freely.

Auto format mode

Use pre-set layouts or recall stored formats and layouts.

Text typing

Alphanumeric characters, spaces, international characters, and symbols

- Although up to 9 lines can be entered within a single block, the maximum number of lines is subject to format settings such as frame size and font size.

Line formats

Font

Helsinki, Brussels, or Istanbul

Size

Auto, 6, 10, 13, 19, 26, or 38 points

Width

Medium, narrow, or wide

Style

Normal, bold, outline or shadow

Italic

On or off

Alignment

Justify, left, center, or right

Frame formats

Orientation

Horizontal or vertical frame

Frame size

Size 10, 30, 40 (Same as stamps and labels), or free size

- The unit of measurement can be changed between inches and millimeters.

Block

Up to 6 horizontal and vertical blocks

- Although up to 6 horizontal and vertical blocks or up to 4 steps can be created in a single frame, the maximum number of blocks or steps is subject to format settings such as frame size and font size.
- The block length can be set automatically or freely from 0.1 inches or 1 mm to the total length in 0.1-inch or 1-mm increments

Line drawing

None, border (solid or dot), block (solid or dot), line (solid or dot), chain, wave, double, Greece, rail, ribbon, candy, flower, plate, Santa, or memo

- Lines can be also changed in the image preview mode.

Other useful features

Memory, adjustment of display contrast, demonstration, text clear, image preview, reset, auto power off, and self-test while turning the power on

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●Option

Reorder No.	Description	Qty/Package	Price
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